



**Index Medical College, Hospital and Research Centre
Indore (M.P.)**

**Self Study Report
for
NAAC**

**Submitted to
The National Assessment & Accreditation Council
Bangalore
for
Accreditation**

October 2016



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Index Medical College, Hospital & research Centre,
Indore (M.P.)

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PREFACE

With the motto of providing a quality healthcare and medical education, Index Medical College, Hospital and Research Centre was set up in year 2006. Since its inception it is progressing to prove itself as a synonym of quality and economical health care in rural areas of Malwa region of Madhya Pradesh. The students are empowered with in-depth knowledge, skill, attitude and experience to serve the humanity with compassion and care. Various co-curricular activities and extracurricular activities are also planned to enhance the comprehensive development of the students.

Index Medical College, Hospital & Research Centre, Indore is established by Mayank Welfare Society. The society is registered vide registration no. IND/2417/96 dated: 12-April-1996. Mayank Welfare Society is a charitable society with sufficient financial resources to fulfill its vision and mission.

Mayank welfare society set up a hospital and medical college in 2006 catering rural, suburban and urban populations with free diagnostic and treatment modalities. Thereafter in 2007 the medical college started its first batch of MBBS with due permission of the government and MCI. In 2008, the Quality Management Systems of the institute got ISO certification 9001. Post-graduate courses in 7 subjects were started in 2011 and in 12 subjects in 2014 after an assessment by the university, MCI and the government.

Index Medical College has been established with the vision of world class excellence in:

- Learner centered health care education to meet the regional, national and global health care educational needs.
- Community oriented research with the development of new knowledge in the basic and clinical sciences and health care education
- Clinical care with excellence in knowledge, attitude and skills to provide a patient centered service
- Development of a Strong community relationship with an excellent communication skill for an effective Implementation of National health programs and Planning and suggestion of improvements in health care need of the community

The institute is running with the Mission of improvement in the health and well-being of individuals and populations through cutting-edge biomedical research, innovative educational programs in medicine and biomedical science, and leadership in academic medicine. We strive to implement this mission with the highest professional and ethical standards, in a culture of diversity and inclusiveness, and in an environment that enables each individual to develop to his or her fullest potential.

The vision and mission is to be achieved by:

- Total quality management & Unique work culture
- Training of general, specialized, & allied professionals to meet the regional, national and global health care services
- Efficient, effective and community acceptable excellence in service, education & research
- Reaching to the unreachable to provide affordable, cost effective health care and to enhance their awareness about the health

COURSES OFFERED AT INDEX MEDICAL COLLEGE, HOSPITAL & RESEARCH CENTRE, INDORE

The institute offers one under graduate and nineteen post graduate courses, recognized by MCI and affiliated to various universities such as DAVV, Indore, MPMSU, Jabalpur and Malwanchal Universities Indore. The array of courses offered by the institute is listed below:

Under Graduate Program:

1. MBBS

Post Graduate Programs:

1. M.D Anesthesiology
2. M.D Biochemistry
3. M.D Community Medicine
4. M.D General Medicine
5. M.D Microbiology
6. M.D Pathology
7. M.D Pediatrics
8. M.D Pharmacology
9. M.D Physiology
10. M.D Psychiatry
11. M.D Pulmonary Medicine (TB&RD)
12. M.D Radio-Diagnosis
13. M.D Skin & VD
14. M.S. Anatomy
15. M.S. ENT (Oto-Rhino-Laryngology)
16. M.S. General Surgery
17. M.S. Obstetrics & Gynecology
18. M.S. Ophthalmology
19. M.S. Orthopedics

INFRASTRUCTURE AND FACILITIES

Index Medical College, Hospital & Research Centre, Indore is spread over 11.146 hectares of land with a constructed area as 86,744 M². It is located in the rural region of Indore city at NH-59A, Nemawar Road, Indore-452016 (M.P.). It is well equipped with the modern gadgets and technology to guide the students towards a bright medical future. The audiovisual systems and other educational facilities make learning an easy and interesting process.

There are spacious and furnished seminar halls equipped with LCD and OHP projectors, screens and white/black boards. There are 2 auditoriums with a seating capacity of 900 and 1500 people, which are used for regular conferences, seminars and cultural activities. The examination hall of the college is spacious and well ventilated to accommodate 375 students and is fitted with CCTVs and IT jammer.

The college has a well-stocked Central library spread over a floor space of 1200 sq. meters and various departmental libraries. There are more than 15000 books on various subjects in medical and allied health care sciences in this library. Reputed Indian and foreign journals are available for the students in the departmental libraries. The central library has a digital section where students can avail e-mail, internet and CD-ROM browsing facilities. The library provides large reading rooms and comfortable seating arrangements. There is a photo copying facility available within the library to help the students to copy study materials.

The Index Medical College, Hospital & Research, Indore believes in overall development of the mind and body. With that intention in sight the college has sporting infrastructure and grounds or courts for cricket, football, tennis, basketball, volleyball, etc. Facilities for indoor games such as table tennis, chess and badminton are available. College teams often participate in inter-collegiate events and competitions. On a number of occasions they have earned laurels for the college in various sporting events.

Beside various kinds of sporting infrastructure a regular film show is being organized in college auditorium for the recreation of students, faculty, staff and their families. It also provides a common stage to fruitful interactions among them.

The institute has hostel facilities for both male and female students. There are 4 spacious hostels for accommodation of up to 700 students. Every room is well furnished with table, chair, bed and storage units to provide the students a comfortable environment for studies. Students can opt for individual or shared rooms. Each room has attached bathroom and 24 X 7 water supplies. A

common room, visitor's room, laundry and a hygienic mess cater to the needs of the students.

The college has a dedicated transport facility with a fleet of buses for quick and trouble free communication of the students.

Index Medical College, Hospital & Research has a keen interest towards a quality medical research. A Central Research Laboratory with latest infrastructure is available for carrying out research. Trained and experienced laboratory staff provides guidance and assistance to the faculty and students to conduct research. The institute has its own Institutional Ethics Committee (IEC), registered with CDSCO, to guide, monitor and regulate the research process.

This scenario makes the faculty and management proud and motivates them to achieve the mission of the institute. The everlasting thirst for the quality is to be fulfilled through teamwork, dedication, perseverance and the best wishes of the happy healthy society.

Dr. M.R. Kural
Dean
Index Medical College, Hospital &
Research Institute, Indore (M.P.)

Mr. Suresh Singh Bhadoriya
Chairman
Index Group of Institutes
Indore (M.P.)

EXECUTIVE SUMMARY & SWOC ANALYSIS

Index Medical College, Hospital & Research Centre, Indore is a medical college established in 2006 by Mayank Welfare Society specifically to cater to the requirements of the health care education. It is located in the rural region of Indore city at NH-59A, Nemawar Road, Indore-452016 (M.P.) The College has been affiliated to Devi Ahilya Vishvavidhyalaya, Indore, MPMSU, Jabalpur and Malwanchal University, Indore. The College is recognized by MCI, state and central government.

The hospital offer 1100 patient beds in various specialties and super specialties. The institute is well equipped with the modern gadgets and technology to cater the need of a good health care as well as the medical education. Presently the college is running MBBS course for 150 students and MD/MS course in almost all the specialties.

CURRICULAR ASPECTS

The task of Index Medical College, Hospital & Research Centre, Indore is to nurture and train medical students and doctors selected after a Competitive Entrance Examinations for the role of a good doctor and specialists in various medical specialties. The college is still in an infantile phase with an urge to prove its excellence. Till now 5 batches of MBBS and 3 batches of MD/MS in non-clinical subjects have passed out. The first batch of specialties in clinical subject is yet to face the examination.

The curriculum is based on the syllabus of MCI and the affiliating university. The institution strictly monitors the progress of all students by structured process. The highly qualified and motivated teaching faculty is sensitized to Modern Medical Education Technology. The institution strives to constantly improve the infrastructure for providing a very satisfying campus environment, high quality library services to all students and faculty and for providing an Information & Communication Technology services for effective teaching and learning environment of global standards and has been successful to a great extent in this endeavor.

The institution offers excellent training and learning facilities for undergraduates and postgraduates. The faculty is also exposed to latest developments in teaching technology & research. The performance of both the students and the faculty is closely monitored and optimal corrective actions are applied. The overall success of teaching methodology is borne out by the excellent results in all fields shown consistently by the college.

RESEARCH, CONSULTANCY AND EXTENSION

Index Medical College, Hospital & Research Centre, Indore offers excellent research environment and facilities for its students and faculty. A number of research projects are in progress in the college at any given time. Scientific evaluation committee and Institutional Ethics Committee of the college monitor all the research projects with due consideration of the ethical issues in research. Extension activities for the benefit of local communities is given due importance. A large number of health camps, diagnostic camps, awareness campaigns etc. have been organized either alone or in collaboration with government bodies, NGOs and other philanthropic organizations with active participation of faculty and students.

INFRASTRUCTURE AND LEARNING RESOURCES

The institution has excellent facilities for academic training, hospital services, hostels and other support services. The institution provides excellent auditoria, lecture halls, seminar halls and clinical teaching facilities in its own hospital, which are fully Information & Communication Technology enabled for a very high quality teaching-learning experience for its students. Information & Communication Technology accorded high priority in all teaching learning activities and there is a constant endeavor for improving IT and computer infrastructure with dedicated annual funding. The institution offers an excellent library facility for undergraduate and post-graduate students. A substantial annual funding is ensured for library and e-learning resources. Wi-Fi connectivity is provided in the library, hospital and hostel. Extensive facilities for sports (outdoor and indoor) are also available.

STUDENT SUPPORT AND PROGRESSION

The first priority of the institute is to support the student for an all round progress. The quality campus life and a close interaction between the students and the faculty facilitate the process. Various extra-curricular activities are organized with the provision of the awards that maintain the interest and enthusiasm of the students. Students are also promoted for the participation in national level tournaments. Students' feedback analysis ensures the implementation of the best practices in welfare of the students.

GOVERNANCE AND LEADERSHIP

The institution maintain a proper planning, coordinating and monitoring systems for the academic, administrative, financial and human resource management activities. Developmental and enrichment programs for both the teaching and non-teaching staff are given due attention. The College entirely depends on the fund generated by the student fee and the corpus fund created

by Mayank Welfare Society. The financial management has an organized structure of the authorities to monitor the efficient use of the financial resources, which is further monitored by internal as well as external audits. The dynamic and kinetic leadership of its chairman Mr. Suresh Singh Bhadoriya is committed to bring the College at the top levels of the best medical colleges of the country. The seed of the excellence is ingrained in the mind of the students and faculty and it is provided sufficient water, light and air to cultivate into a fruitful plant.

INNOVATIONS AND BEST PRACTICES

Innovative ideas are encouraged for the implementation. The institution has adopted a number of innovations to promote an all round development of students. 'Communication Skills Lab' in the department of General Surgery, imparts a methodical training of students for proper communication with patients, medical and paramedical staff.

'Surgical museum' in the department of General Surgery has been enriched with self made innovative dummies and Plaster of Paris models for an efficient clinical teaching of students.

Use of social media and on line teaching has created a lot of interest in the mind of budding doctor

Community oriented Projects by all the Intern batches have a preventive & promotive action in achieving the positive health in community and also in developing a confident approach to the research methodology for the students.

SWOC ANALYSIS

Strengths:

- Lively cosmopolitan atmosphere with students & faculty from all over India
- Availability of the adequate infrastructure and modern equipments for the education, patient care and research.
- The health care of the poor in a subsidized rate with maintenance of the quality
- Development of a robust work culture, the teaching schedule is implemented in Toto. All the work begins and ends on time. Students are accorded personal attention, based on need and willingness to be helped.

Weaknesses:

- Lack of freedom to sync with contemporary needs or global standards of education due to constraints of apex body prescribed curriculum
- Being in a rural area with illiteracy there's a poor recognition of the quality health care with subsidized rate
- Scarcity of national/international collaborations
- Communication skills amongst student is poor may be due to English language of Medical science. Basically most of these students come from orthodox Hindi speaking families and therefore understanding and promoting the thought process takes a back seat.
- Too young to speak about the establishment of alumni.

Opportunities:

- The big campus, 1100 bedded hospital,adequate number of patients, more than the required infrastructure, equipments and man power provide a scope for addition of new courses and enhancement of seats in the courses already running.
- Being the only tertiary health centre available among widespread rural areas gives us the opportunity to provide the best of treatment.
- The college has potential to perform world class research and can translate it from “ Bench (Laboratory) to Bed (Patient)”
- Being a private institute run by a financially sound trust, more funds can be utilized for research projects and infrastructure development
- Availability of multi- specialties hospital with a holistic approach and team work is a boon to the learning opportunities for undergraduates and post graduates.

Challenges:

- The challenge is to initiate the interest of the rural population to proper utilization of medical facilities available at subsidized rate.
- To promote and to reward the researches and innovations in the educational and health care methods
- To tie up with national and international collaboration of repute for the betterment of health care and education.
- To break the communication barrier amongst the students, faculty and society to develop a better understanding of the health care.

1. Profile of the Health Science Institutions

(To provide information whichever is relevant to the HSI)

1. Name and Address of the Institution:

Name	Index Medical College, Hospital & Research Centre, Indore		
Address	NH-59A, Nemawar Road Post Bavliya Khurd		
City	Indore	PIN: 452016	State: Madhya Pradesh
Website	www.indexgroup.co.in		

2. For communication:

Designation	Name	Telephone with STD code	Mobile	Fax	E-mail
Vice-Chancellor		O: R:	Not applicable		
Pro Vice-Chancellor		O: R:			
Registrar		O: R:			
Dean	Dr. M.R. Kural	O: 0731-4013604 R:	96300-98980	0731-4013653	deanmed@indexgroup.co.in
Vice-Dean	Dr. P. Nyati	O: 0731-4013600 R: 0731-2402586	98262-30936	0731-4013653	drpremyati@gmail.com
Steering Committee/ IQAC co-ordinator	Dr. P. Nyati	O: 0731-4013600 R: 0731-2402586	98262-30936	0731-4013653	drpremyati@gmail.com

3. Status of the Institution:

Autonomous college	
Constituent college	
Affiliated college	✓
State university	
State Private university	
Central university University under Section 3 of UGC (A Deemed to be University) Institution of National Importance	
Any other (specify)	

4. Type of University:

Unitary	
Affiliating	✓

5. Type of College:

Ayurveda	
Dentistry	
Homoeopathy	
Medicine	✓
Nursing	
Pharmacy	
Physiotherapy	
Siddha	
Unani	
Yoga and naturopathy	
Others (specify and provide details)	

6. Source of funding:

Central	
Government state	
Government Grant-in-aid	
Self -financing	
Trust	✓
Corporate	
Any other (specify)	

7. a. Date of establishment of the institution: 28/09/2007
(dd/mm/yyyy)

b. In the case of university, prior to the establishment of the university, was it a/an

		Yes	No
i.	Autonomous College	Not Applicable	
ii.	Constituent College		
iii.	Affiliated College		
iv.	PG Centre		
v.	De novo institution		
vi.	Any other (specify)		

c. In the case of college, university to which it is affiliated

DAVV, Indore upto 2013
MPMSU, Jabalpur for Batch 2014
Malwanchal University, Indore for 2015 onwards

8. State the vision and the mission of the institution:

Vision:

To achieve world class excellence in:

- Learner centered health care education to meet the regional, national and global health care educational needs.

- Community oriented research with the development of new knowledge in the basic and clinical sciences and health care education
- Clinical care with excellence in knowledge, attitude and skills to provide a patient centered service
- Development of a Strong community relationship with an excellent communication skill for an effective Implementation of National health programs and Planning and suggestion of improvements in health care need of the community

Mission:

The institute is running with the Mission of improvement in the health and well-being of individuals and populations through cutting-edge biomedical research, innovative educational programs in medicine and biomedical science, and leadership in academic medicine. We strive to implement this mission with the highest professional and ethical standards, in a culture of diversity and inclusiveness, and in an environment that enables each individual to develop to his or her fullest potential.

9. a. Details of UGC recognition / subsequent recognition (if applicable):
Not applicable

Under Section	Date, Month and Year	Remarks (If any)
2(f)*		
12B		
3*		

* Enclose the certificate of recognition, if applicable

- b. Details of recognition/approval by statutory/regulatory bodies other than UGC (MCI, DCI, PCI, INC, RCI, AYUSH, AICTE, etc.)

Under Section / Clause	Date, Month and Year (dd/mm/yyyy)	Validity	Program/ institution	Remarks
MCI-34 (41)/2012-med/114911	29/06/2012	5 years	MBBS	Recognition
11IMC act 1956 (102)	06/04/2016	5 years	MD Anatomy	Recognition
11IMC act 1956 (102)	27/07/2015	5 years	MD Physiology	Recognition

Under Section / Clause	Date, Month and Year (dd/mm/yyyy)	Validity	Program/ institution	Remarks
11IMC act 1956 (102)	06/04/2016	5 years	MD Biochemistry	Recognition
11IMC act 1956 (102)	27/07/2015	5 years	MD PSM	Recognition
11IMC act 1956 (102)	06/04/2016	5 years	MD Microbiology	Recognition
11IMC act 1956 (102)	27/07/2015	5 years	MD Pharmacology	Recognition
11IMC act 1956 (102)	27/07/2015	5 years	MD Pathology	Recognition
10 (A) IMC act 1956	15/04/2014	Till 1 ST exam.	MD General Medicine	Approved
10 (A) IMC act 1956	15/04/2014	Till 1 ST exam.	MS General Surgery	Approved
10 (A) IMC act 1956	15/04/2014	Till 1 ST exam.	MS ENT	Approved
10 (A) IMC act 1956	15/04/2014	Till 1 ST exam.	MS OBS-GYNAE	Approved
10 (A) IMC act 1956	15/04/2014	Till 1 ST exam.	MS Orthopedics	Approved
10 (A) IMC act 1956	15/04/2014	Till 1 ST exam.	MD TB & CHEST	Approved
10 (A) IMC act 1956	15/04/2014	Till 1 ST exam.	MD(DVL)	Approved
10 (A) IMC act 1956	15/04/2014	Till 1 ST exam.	MS Ophthalmology	Approved
10 (A) IMC act 1956	15/04/2014	Till 1 ST exam.	MD Anesthesia	Approved
10 (A) IMC act 1956	15/04/2014	Till 1 ST exam.	MD Psychiatry	Approved
10 (A) IMC act 1956	15/04/2014	Till 1 ST exam.	MD Pediatrics	Approved
10 (A) IMC act 1956	09/05/2014	Till 1 ST exam.	MD Radio-diagnosis	Approved
10 (A) IMC	15/04/2014	Till	MD Pathology	Enhancement

Under Section / Clause	Date, Month and Year (dd/mm/yyyy)	Validity	Program/ institution	Remarks
act 1956		1 ST exam.		

(Enclose the Certificate of recognition/approval): **Annexure 1**

10. Has the institution been recognized for its outstanding performance by any national / international agency such as DSIR, DBT, ICMR, UGC-SAP, AYUSH, WHO, UNESCO, etc. ?

Yes No ✓

If yes, name of the agency

Date of recognition: (dd/mm/yyyy)

Nature of recognition:

11. Does the institution have off-campus centers?

Yes ✓ No

1. Rural Health Training Center (RHTC), Double Chowki
2. Urban Health Training Center (UHTC), Aath Mile

If yes, date of establishment (dd/mm/yyyy): 01/05/2008

Date of recognition by relevant statutory body/ies: 22/09/2008
(dd/mm/yyyy)

12. Does the institution have off-shore campuses?

Yes No ✓

If yes, date of establishment (dd/mm/yyyy):

Date of recognition by relevant statutory body/ies:
(dd/mm/yyyy)

13. Location of the campus and area:

	Location *	Campus area In acres	Built up area in Sq.mts.
i. Main campus area	Rural	57	126028

	Location *	Campus area In acres	Built up area in Sq.mts.
ii. Other campuses in the country	-	-	-
iii. Campus abroad	-	-	-

(* Urban, Semi-Urban, Rural, Tribal, Hilly Area, any other (specify)

If the institution has more than one campus, it may submit a consolidated self-study report reflecting the activities of all the campuses.

14. Number of affiliated / constituent institutions in the university

Type of Institutions	Total	Permanent	Temporary
Ayurveda	Not applicable		
Dentistry			
Homoeopathy			
Medicine			
Nursing			
Pharmacy			
Physiotherapy			
Siddha			
Unani			
Yoga and Naturopathy			
Others (specify and provide details)			

15. Does the University Act provide for conferment of autonomy to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University.

Yes

No ✓

Number:

16. Furnish the following information:

Particulars	Number
a. Accredited colleges by any professional body/ies	
b. Accredited course/department by any professional body/ies	
c. Affiliated colleges	
d. Autonomous colleges	

e.	Colleges with Postgraduate departments	
f.	Colleges with Research departments	
g.	Constituent colleges	
h.	Constituent department Undergraduate Post graduate Research centers on the campus and on other campuses	
i.	University recognized Research Institutes /center	

17. Does the institution conform to the specification of Degrees as enlisted by the UGC ?

Yes

No ✓

If the institution uses any other nomenclatures, specify.

18. Academic programs offered and student enrolment: (Enclose the list of academic programs offered and approval / recognition details issued by the statutory body governing the programs)

Programs	Number of Programs	No. of students enrolled
UG	01	150/year
PG	19	66/ year
DNB		
Integrated Masters		
Integrated Ph.D.		
PharmD.		
M.Phil.		
Ph. D.		
Certificate		
Diploma		
PG Diploma		
D.M./M.Ch.		
Sub/Super specialty Fellowship		
Any Other (specify)		
Total	20	216/year

All courses are recognized by Medical Council of India, state and Central Government.

19. Provide information on the following general facilities (campus-wise):

		Yes	No
i.	Auditorium / seminar complex with infrastructural facilities	✓	
ii.	Sports facilities * Outdoor * Indoor	✓ ✓	
iii.	Residential facilities for faculty and non-teaching staff	✓	
iv.	Cafeteria	✓	
v.	Health centre * First aid facility * Outpatient facility * Inpatient facility * Ambulance facility * Emergency care facility	✓ ✓ ✓ ✓ ✓	
vi.	Health Centre Staff * Qualified doctor (full time) * Qualified nurse (full time)	✓ ✓	
vii.	Facilities like banking, post office, book shops, etc.	✓	
viii.	Transport facilities to cater to the needs of the students and staff	✓	
ix.	Facilities for persons with disabilities	✓	
x.	Animal houses	✓	
xi.	Incinerator for laboratories	✓	
xii.	Power house		✓
xiii.	Fire safety measures	✓	
xiv.	Waste management facility, particularly bio-hazardous waste	✓	
xv.	Potable water and water treatment	✓	
xvi.	Any other facility (specify)		

20. Working days / teaching days during the past four academic years:

	Working Days				Teaching days			
	15-16	14-15	13-14	12-13	15-16	14-15	13-14	12-13
Number stipulated by the Regulatory Authority	290	290	290	290	240	240	240	240
Number by the Institution	297	296	294	298	253	253	253	253

(‘Teaching days’ means days on which classes/clinics were held. Examination days are not to be included.)

21. Has the institution been reviewed or audited by any regulatory authority? If so, furnish copy of the report and action taken there upon (last four years). Yes, the institution is frequently reviewed by university & MCI. : **Annexure 2**

22. Number of positions in the institution

Positions	Teaching faculty				Non-teaching staff	Technical staff
	Professor	Associate Professor/Reader	Assistant Professor	Senior Resident		
Sanctioned by the Government Recruited Yet to recruit	Not applicable					
Sanctioned by the Management/Society or other authorized bodies Recruited Yet to recruit	44 42	46 32	80 64	41 48	798	52
Stipulated by the regulatory authority Cadre ratio Recruited	Same as sanctioned by the management					

Positions	Teaching faculty				Non-teaching staff	Technical staff
	Professor	Associate Professor/Reader	Assistant Professor	Senior Resident		
Yet to recruit						
Number of persons working on contract basis	Nil					

23. Qualifications of the teaching staff

Highest Qualification	Professor		Associate Professor		Assistant Professor		Senior Resident	
	M	F	M	F	M	F	M	F
D.M./M.Ch.	01		01		03			
M.D./M.S.	31	10	23	08	30	17		
Ph.D.	01			01				
DNB			02		07	07	01	01
M.Sc.					02	01		
Diploma							18	13
UG only							15	
Temporary teachers	Not applicable							
Contractual teachers								
Part-time teachers								

24. Emeritus, Adjunct and Visiting Professors:

	Emeritus		Adjunct		Visiting	
	M	F	M	F	M	F
Number	Not applicable					

25. Distinguished Chairs instituted:

Department	Chairs

26. Hostel:

- * Boys' hostel
 - i. Number of hostels: 1
 - ii. Number of inmates: 260 in 148 rooms (300 capacities)
 - iii. Facilities: Reading room, Mess, recreation hall, CCTV, potable water, play grounds (T.T, badminton and volleyball court)

- * Girls' hostel
 - i. Number of hostels: 1 (capacity300)
 - ii. Number of inmates:213 in 148 rooms
 - iii. Facilities: Reading room, Mess, recreation hall, CCTV, potable water, badminton court, health club, etc.

- * Overseas students' hostel
 - i. Number of hostels: Nil
 - ii. Number of inmates:
 - iii. Facilities

- * Hostel for interns:
 - i. Number of hostels: 2(capacity 52x2 for boys and 52x2 for girls)
 - ii. Number of inmates: 80 in 104 rooms
 - iv. Facilities: Mess, recreation hall, CCTV, potable water, badminton court, health club, etc.

- * PG Hostel:
 - i. Number of hostels: 3 one BHK flat with capacity 16, 48,40 and one block with 56 rooms
 - ii. Number of inmates: 104
 - iii. Facilities: Mess, recreation hall, CCTV, potable water, health club, etc.

27. Students enrolled in the institution during the current academic year, with the following details: (UG-2015; PG-2016)

Student	UG		PG						Inte-grated Master s		M. Phil		Ph. D.		Inte-grated Ph. D	
			PG		DM		MCH									
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Form the state where the institution is located	46	48	20	8												
From other states	35	21	17	10												
NRI students																
Foreign students																
Total	81	69	37	18												

28. Health Professional Education Unit / Cell / Department: Medical Education Unit

Year of establishment:2010

Number of continuing education programs conducted (with duration)

- * Induction: At the time of starting of each academic session
- * Orientation:At the time of starting of each academic session
- * Refresher:
 - * Three days Medical Education Technology workshop under supervision of MCI regional Centre

- * Two days training program on ‘Quality Management Systems and implementation of NABH Standard’
- * Three days Symposium and training workshop on Research Methodology
- * Two days basic workshop on ‘Conduct of Clinical Trials & Good Clinical Practice’
- * Three days workshop on “Pharmacovigilance- Practice and Prospects” in joint collaboration with Pragma Vigilance consulting, Zurich, Switzerland

* Post Graduate:

- * Two days training program on ‘Quality Management Systems and implementation of NABH Standard’
- * Training workshop on Research Methodology
- * Two days basic workshop on ‘Conduct of Clinical Trials & Good Clinical Practice’
- * Workshop on ‘Pharmacovigilance
- * Workshop on Community Skills
- * Regular Guest Lecture series
- * Regular Integrated Lecture series

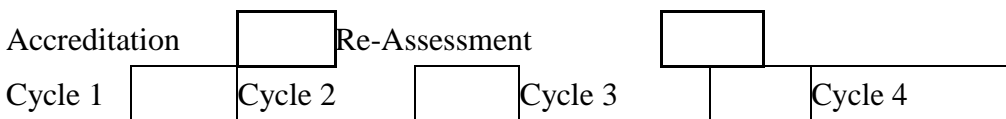
29. Does the university offer Distance Education Programs (DEP)?

Yes No ✓

If yes, indicate the number of programs offered.

Are they recognized by the Distance Education Council ?

30. Is the institution applying for Accreditation or Re-Assessment ?



31. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4)

Cycle 4: (dd/mm/yyyy),
Accreditation outcome/Result

Cycle 3: (dd/mm/yyyy),
Accreditation outcome/Result

Cycle 2: (dd/mm/yyyy),

Accreditation outcome/Result

Cycle 1: (dd/mm/yyyy),

Accreditation outcome/Result

* Enclose copy of accreditation certificate(s) and peer team report(s)

32. Does the university provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated / constituent / autonomous colleges under the university. N.A.

33. Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR).

IQAC (dd/mm/yyyy)

AQAR (i) (dd/mm/yyyy)

(ii) (dd/mm/yyyy)

(iii) (dd/mm/yyyy)

(iv) (dd/mm/yyyy)

34. Any other relevant data, the institution would like to include (not exceeding one page).

CRITERION-I

CURRICULAR ASPECTS

1.1 Curriculum Planning, Design & Development

1.1.1. Does the institution have clearly stated goals and objectives for its educational program?

Yes.

GOALS

1. To prepare competent and compassionate professionals with sound knowledge and excellent skill through quality education based on a competency model that inculcates scientific temper, moral and ethical values.
2. To foster interdisciplinary research that will generate meaningful outcomes for the community and nation.
3. To provide quality health care to the rural and needy and bring about holistic development in the adjoining rural areas.
4. To seek collaborations with national and international institutions of repute and provide a transparent and accountable governance system.

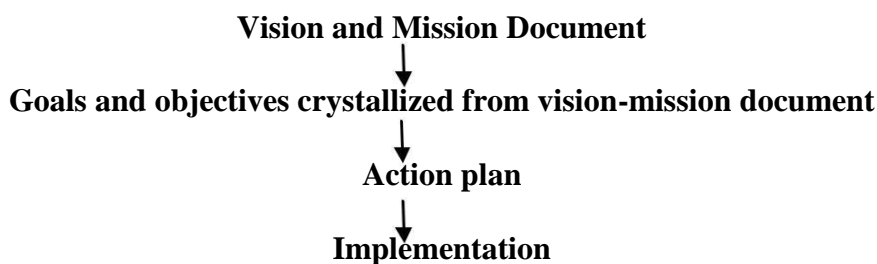
OBJECTIVES

1. To make use of new technologies, innovative tools and methods for enriching and integrating the teaching-learning process.
2. To undertake sponsored R & D and continuing education providing knowledge-based advice and consultancy, preparation/publication of educational material like books/ study reports/research papers and extending services to society.
3. To serve as a centre for fostering co-operation and exchange of ideas between the academic and research community on one hand, the industry and services and community on the other and to promote entrepreneurship among the students.
4. To have a greater interface with society through extra-mural, extension and field action related programs.
5. To promote national integration and the integrated development of the human personality through its policies and programs.
6. To follow a systematic approach towards curriculum development, review, redesign and make the curriculum relevant to the needs of the nation, develop Global competencies and to introduce new courses in Emerging areas.
7. To impart spirit of enquiry and scientific temper in the students.
8. To inculcate professional, ethical and moral values.

9. To promote team work and habit of lifelong learning.
10. To encourage the students and faculty to use modern technology.
11. To introduce the students to soft skills.
12. To use learner centric active teaching-learning methods to make it more meaningful and interesting.
13. To have continuous valid, objective and reliable assessment tools.
14. Counseling to introduce in the curricular system.
15. To foster Global competencies.

1.1.2. How are the institutional goals and objectives reflected in the academic programs of the institution?

The institution has a well articulated Strategic plan to translate the **mission and goals** into concrete programs.



Improved health of all is the principle goal of medical education. This is done through development of trained manpower so as to produce practitioners, educators and researchers.

The **institutional goals and objectives** find their reflection in the **curriculum, teaching learning program and assessment strategies**. The students are trained to use their knowledge and skills judiciously for the welfare of the community. They are trained in conduct, in decision making, in **problem solving and leadership skills** besides the core knowledge that is necessary to carry out his / her duties professionally.

Newer **approaches** and technology are introduced to improve the **competency** of the students with the intention of involving them in research from the beginning.

The academic program involves the students throughout their clinical years in extra mural, extension and community activities. The institute has designed a number of outreach programs like **diagnostic, blood donation and oral health camps, community surveys, programs** that involve field visits for awareness of preventable diseases, detection and prevention of malnutrition and so on to provide an effective, desired and fruitful **community interface**.

A special module is included on communication technology.

A program on orientation in research methodology is part of the curriculum which helps in developing scientific temper and spirit of enquiry.

Teaching learning activities involve integrated teaching is learner centric and promotes active learning.

For promotion of national integration and personality development the curriculum emphasizes morals and ethics, professional conduct and duties as a responsible member of the society. National integration is also promoted by celebrating the “**Days of national importance**” by conducting rallies, sports events, lectures, group discussions and debates.

1.1.3. Does the institution follow a systemic process in the design, development and revision of the curriculum? If yes, give details of the process (need assessment, feedback etc.)

Design, development and revision of the curriculum are planned by the apex body MCI. The university and college systematically designs and develops action plans for effective implementation of the curriculum. At the outset, the Dean of the college conducts various meetings regularly with the Heads of Departments to develop various strategies for effective implementation of the curriculum.

An academic calendar is framed and informed to students and faculty, which consists of the teaching plan, dates for conduction of the internal assessment tests and list of holidays.

Thereafter, the faculty members of various departments conduct their internal meetings and develop academic plans such as teaching schedule with due consideration of timely completion of the syllabus.

Teachers are encouraged to enrich the curriculum through innovative teaching methods such as presentations, assignments, discussions, tutorials, workshops, seminars, community visits apart from regular lecture sessions.

Accordingly the teaching plans are prepared by the respective faculty.

As a part of proper development the internal assessment tests are planned with due intimation to the students. This process also helps in sorting out of slow learners so that extra efforts can be put to upgrade them.

Also it helps to identify the above-average students so as to motivate them for further excellence.

1.1.4 How does the curriculum design and development meet the following requirements?

- Community needs
- Professional skills and competencies
- Research in thrust / emerging areas
- Innovation
- Employability

Community Needs

Community programs are carried out through the rural and urban health centers and organization of health camps. The aim is to reach out to the rural, poor and needy and provide them with access to secondary and tertiary care. The **services include** diagnostic camps, school health programs, cancer awareness and detection, de-addiction, mental-health, MCH and promotion of good health practices.

The institution participates in all the National programs like Pharmacovigilance, RNTCP, MCH, Family Planning, Immunization and Eradication of Malnutrition.

~~Students are~~ also exposed to the community during the field postings where they get an insight into the community needs, culture, values etc.

Professional skills and competencies

The design and development of the curriculum clearly defines the **Knowledge, Skills and Attitude** expected of an **Indian Medical Graduate**'. These are as follows:

- a. Medical Graduate competent at basic level.
- b. Appropriate foundation for future career in any branch of medicine (Practice, Administration, and Research)
- c. Capable of understanding roles of a doctor as required by the health sector.
- d. Orientation towards research
- e. Understanding and practice Global Medicine.

Research in Thrust / emerging areas

The syllabus incorporates new emerging sciences, technologies and trends which are illustratively reflected in the course content.

Research methodology workshops are held for sensitizing and training postgraduate students for research. Postgraduate students are required to

publish at least one research paper in national / international indexed journal and present a poster/read a paper in a conference for being eligible for their final examinations. Undergraduate students are also oriented towards research methodology.

Innovations

**a. Introduction of integrated competency based curriculum:
Competency based curriculum mandates**

- Development of basic clinical skills.
- Effective communications.
- Using basic Science in practice of medicine.
- Self awareness, self care, and personal growth.
- The social and community context of health care.
- Reasoned and ethical judgments.
- Problem solving.
- Critical thinking.
- Information Communication Technology.

b. Teaching –learning methods

- E-learning
- Adoption of innovative teaching technologies like simulators, models, clinical skill laboratory for hands on practical training.
- OSCE/OSPE
- Integrated teaching and learning modules, problem-based learning and focus group discussion.
- One minute preceptor ship, PBL, seminar by the student for the student, group discussion, early clinical exposure, debates, quizzes and projects by the students.
- Computer simulation in Pharmacology and Physiology.
- Integrated teaching sessions and guest lecture series.

Employability

Courses offered in health sciences lead to degrees that give the graduates choice of starting practice (self-employed) or they can take up assignments in various organization.

1.1.5 To what extent does the institution use the guidelines of the regulatory bodies for developing and/or restructuring the curricula? Has the institution been instrumental in leading any curricular reform which has created a national impact?

The Institution follows the mandatory guidelines issued by MCI and the governing University precisely.

Our faculty is members of Board of Studies (BoS) of the University and they always give the suggestion to reform curricula in the BoS meetings.

1.1.6 Does the institution interact with industry, research bodies and the civil society in the curriculum revision process? If so, how the institution has benefitted through interactions with the stakeholders?

Yes, the faculty, UG and PG students regularly interact with the research bodies during seminars and conferences. Their impressions, feedback and suggestions are conveyed to the university during BOS meetings and this may be positively affecting the curriculum revision process.

1.1.7 How are the global trends in health science education reflected in the curriculum?

The MCI and University regularly incorporate the global trends in health science education in the curriculum, which are followed by the college. Additionally at the institution level new global trends are incorporated in the teaching process. Information collected by the faculty from different sources of self study, conferences, CME, workshops, newsletters, journal reading, etc, is disseminated to the student community during routine teaching-learning activities. Use of multimedia in teaching, E library, online open education sources and the use of statistical software are the reflection of the global trends of education.

1.1.8 Give details of how the institution facilitates the introduction of new programs of studies in its affiliated colleges.

Not applicable

1.1.9 Does the institution provide additional skill-oriented programs relevant to regional needs?

Yes. The regional need is of 'Affordable Health Care specifically for rural population.' The medical students are trained in Rural Health Training Centre, where they serve and learn in the village. Preventive health care through health awareness is promoted and the skills of communication, behavior, diagnosing prevalent diseases with limited tests facility, screening diseases for early diagnosis and treatment is taught.

Frequent and regular scientific programs are organized to enhance skills of participants in institution. Training program for national programs such as RNTCP, Pharmacovigilance, good clinical practice etc, are conducted.

1.1.10 Explain the initiatives of the institution in the following areas:

- Behavioral and Social Science.
- Medical Ethics / Bio Ethics / Nursing Ethics.
- Practice Management towards curriculum and/or services. Orientation to research.
- Rehabilitation.
- Ancient scriptural practices
- Health Economics.
- Medico legal issues.
- Enhancement of quality of services and consumer satisfaction.

Behavioral and Social Science: The initiatives in behavioral and social science are targeted to benefit the patients and also to students. It **incorporates** development of behavioral skills, which include **Self awareness, self care, Effective communications, ethical values and development of self confidence.**

The faculty and students especially in Community Medicine department conduct research at the individual, family, organization, community and population levels. Areas of research range from basic aims to elucidate biological mechanisms and causal pathways of behavior and health; survey and qualitative research into the social and behavioral determinants of health; intervention studies for prevention and treatment of health problems

The faculty and students of Psychiatry department directly contribute by treatment of behavioral problems and clinical psychology OPD is specifically conducted to socially treat behavioral problems.

Specially designed classes on communication skills are being added in teaching schedules.

‘Gender Harassment Committee’ and ‘Anti-ragging committee’ looks into the matters of conduct and discipline specific to women and a very healthy social environment based on traditional values is promoted.

Sports, cultural and literature committee organize annual programs.

Medical Ethics / Bio Ethics

The Faculty strictly follows ethics in medical practice and thus set high standards (as per MCI Code of Medical Ethics Regulations, 2002) for the medical students to follow.

The institution has established ‘Institutional ethics committee’, and as per ICMR guidelines for biomedical research, every research project is scrutinized and permitted to proceed only after the committee is satisfied that bio medical ethics are being followed. Workshops on Good clinical practice are conducted.

Practice management towards curriculum and / or services

The Institute's goal is to produce an Ideal Indian Medical Graduate who becomes a successful medical practitioner and a professional who achieves his own capabilities, and also positively serves the community with job satisfaction. The curriculum has been enriched on arts and principles of managing medical records and electronic records, sensitized about setting up of own clinics and human resource practices

Orientation to research

'Research Methodology Workshops' and regular guidance by Scientific Evaluation Committee and Institutional Ethics committee fulfill the requirement of an orientation to research.

Rehabilitation

Rehabilitative medicine is one of the most important domains in the practice of medicine. The goal of any treatment and management is to allow individuals to return to their normal lifestyle, community and social roles. Physiotherapy is a discipline that particularly deals with restoring function in physically and mentally handicapped individuals.

Ancient Scriptural practices

Museums of various departments display the charts and posters of ancient scriptural practices.

Health economics:

- With the vision of 'Affordable Best Quality Health Care' the Institution is situated in the rural region. It is important to promote Preventive Health education, screening, early detection and cure with minimal expenditure. The initiatives include-
- Free consultation in all the specialty OPDs
- All types of investigations, procedures, operations and medicines are provided at a highly concessional rate thus being affordable without compromising on quality.
- Free camps are held frequently where along with free consultation, medicine and investigations are provided free.
- Free consultation and distribution of medicine on continual basis available in the peripheral centers like RHTC, UHTC and Urban Dispensary.

Medico legal issues:

- Training on medico-legal aspects is imparted by the department of Forensic medicine and Toxicology. The institution is planning to proceed for starting Post Graduation Training in Forensic Medicine and the process is underway.
- Medico Legal Cell is functional in the hospital.
- Casualty Medical Officers deal with medico-legal cases 24x7 and
- UG & PG Students get hands on training in dealing with Medico-Legal Cases protocols in casualty department.
- Students also visit the District Hospital to witness Post Mortem examination as a learning activity.

Enhancement of quality of services and consumer satisfaction

The quality consciousness is part of training methodology for medical students.

The hospital administration tries to follow NABH standards and we are shortly going to proceed for NABH accreditation.

1.1.11 How does the institution ensure that evidence based medicine and clinical practice guidelines are adopted to guide patient care wherever possible?

Students are encouraged towards use and relevance of ‘**EvidenceBased Medicine**’ at all levels as against ‘**Opinion based Medicine**’ emphasizing that the best available external evidence combined with the physicians experience and skills along with the patients values (Preferences, Concern, Expectations) helps to optimize the result.

The Faculty and students are updated through conferences and workshops, use of library, guest lecturers and peer interactions regarding the best practices of patient management of their specialty.

Reflective learning involves experiences shared from peers which guide us in patient care in rare, difficult and complicated situations. It may be done alone in the room and reflect on the event/action during the day so that it can be done better next time around. Students are oriented with this vital aspect of medicine. Likewise the component of **Self learning** is also duly emphasized.

1.1.12 What are the newly introduced value added programs and how are they related to the internship programs?

Internship involves preparing the student for clinical practices arising out of supervised hands on training. It involves application of knowledge,

development of skills and working in a team. During internship they are encouraged to take up community research projects and to get acquainted with research methodology.

Integrated Lecture series and guest lecture series is an integral part of the Academic meet held weekly.

A series of lectures and practical are arranged for under graduates as well as post graduates on communication skills.

1.1.13 How does the institution contribute to the development of integrated learning methods and Integrated Health Care Management?

- Vertical and Horizontal integration of subjects taught
- Integration of subjects taught with their clinical application.
- Integration of different systems of health care (Ayurveda, Yoga, Unani, Homeopathy) in the teaching hospital.

Vertical and Horizontal integration of subjects

- Vertical as well as horizontal integration is promoted during teaching learning process of the basic medical science with the incorporation of clinical teaching to facilitate the learning of the applied aspects.
- Integration of subjects taught also get incorporated during the integrated guest lecture series and involved academic meet held weekly in the college.
- Integration with other systems of health care (Ayurveda, Yoga, Unani, Homeopathy) is not applicable in a pure allopathy based institute. However the interactions of allopathic medicines with the medicines of other systems are taught in Pharmacology classes.

1.1.14 How is compatibility of programs with goals and objectives achieved with particular reference to priority of interface between Public Health, Medical Practice and Medical Education?

All programs are as per the set out goals and objectives in conformity with the Vision and Mission of the university.

Medical education is administrated with the object of preparing students for medical practice. The institute therefore incorporates teaching modules that make the instructional program compatible with the health care system and community needs. Medical education prepares them for contemporary clinical practice and ensures that no gap exists between what is taught in the classroom and laboratories to what exists in field practice. Resultantly there is a component of public health and mental health in all the educational programs of the college.

The students during their training are posted for field work in the community. They are also involved and participate in various extension and outreach activities. Various Health days are observed during the year. All this exposes the students to the socio- cultural reality in the community as well as financial constrains, healthfacilities available, the needs and demands and diseases and disorders prevalent. Thus they get the opportunity to merge the theoretical knowledge with its practical application and this interface gives them vital information about the ground realities of health care delivery systems.

1.2 Academic Flexibility

1.2.1 Furnish the Inventory for the following:

- Programs offered on campus
- Overseas programs offered on campus
- Programs available for college/students to choose from

Programs offered in campus: MBBS (UG); M.D. & M.S. (PG) in 19 branches:

NAME OF COURSE	STARTINGYEAR
MBBS	2007
M.D. ANATOMY	2011
M.D. PHYSIOLOGY	2011
M.D. BIOCHEMISTRY	2011
M.D. PHARMACOLOGY	2011
M.D. PATHOLOGY	2011
M.D. MICROBIOLOGY	2011
M.D. COMMUNITY MEDICINE	2011
M.D. GENERAL MEDICINE	2014
M.D. DERMATOLOGY	2014
M.D. RADIO DIAGNOSIS	2014
M.S. ORTHOPEDICS	2014
M.S. ENT	2014
M.S. OPHTHALMOLOGY	2014
M.S. GENERAL SURGERY	2014
M.D. OBSTETRICS & GYNECOLOGY	2014

NAME OF COURSE	STARTING YEAR
M.D. PEDIATRICS	2014
M.D. ANESTHESIA	2014
M.D. PSYCHIATRY	2014
M.D. PULMONARY MEDICINE	2014

Overseas programs offered on campus: NIL

Programs available for colleges/students to choose from:

All courses are made available according to the sanctions made by MCI. The choice of discipline for pursuing MD/ MS is based on merit cum choice, the procedure is governed by state government.

1.2.2 Give the details on the following provisions with reference to academic flexibility

- a. Core Options
- b. Elective options
- c. Bridge Courses
- d. Enrichment Courses
- e. Credit Accumulation and Transfer Facility
- f. Courses offered in Modular form.
- g. Lateral and Vertical mobility within and across programs, courses and disciplines and between higher education institutes
- h. Twinning Program
- i. Dual Degree Programs

- a. **Core Options:** Flexibility in core options is not possible because of the ‘statutory restrictions’ imposed by the Governing councils in health sciences. As a result all the subjects are compulsory. Further no optional credit system or transfer of credit is permissible where by the students are required to complete the course in the same institution.
- b. **Elective options:** Regulatory councils do not permit elective option in the under graduate program. **However the elective options are provided in the ‘rotating internship program’ for 15 days duration.** Subjects for Elective posting are as follows:
- Dermatology and Sexually Transmitted Diseases.
 - Tuberculosis and Respiratory Diseases.
 - Radio-Diagnosis
 - Forensic Medicine
 - Blood Bank
 - Psychiatry
- c. **Bridge Courses:** Due to statutory restrictions imposed by the Governing council bridge courses are not permissible.
- d. **Enrichment Courses:** The established and permitted courses are enriched with Soft Skills & Information Technology, research methodology, Health Economics, Patient Safety, community surveys, communication skills
- e. **Credit Accumulation and Transfer Facility:** Due to statutory restrictions imposed by the Governing council Credit Accumulation and Transfer Facility is not permitted.
- f. **Courses offered in Modular form:** Nil
- g. **Lateral and Vertical mobility:** Nil
- h. **Twining Program:** Nil
- i. **Dual Degree Programs:** Statutory councils do not allow for dual degree programs in health sciences.
- j. **International Collaborations:** Nil

1.2.3 Does the institution have an explicit Policy and strategy for attracting students from

- Other states
- Socially and financially backward
- International students

Students from different regions and different states of India as well as socially and financially backward classes get selected through the selection process conducted by DME, Bhopal as per the policy of state government.

1.2.4 Does the institution offer self-financing programs? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programs?

No, there's no self finance program.

1.2.5 Has the institution adopted the Choice Based Credit System (CBCS) / credit based system? If yes, for how many programs? What efforts have been made by the institution to encourage the introduction of CBCS in its affiliated colleges?

CBCS is not permitted by regulatory bodies.

1.2.6 What percentage of programs offered by the institution follows?

- Annual system
- Semester system
- Trimester system

Annual based credit system is followed as per guidelines of Medical Council of India.

1.2.7 How does the institution promote multi/inter-disciplinary programs? Name a few programs and comment on their outcome.

Being a professional medical college all the programs offered in college are interdisciplinary. This is the only way to achieve the target of an ideal medical graduate. Hence the Institution promotes multi/interdisciplinary approach in all the teaching learning process.

1.2.8 What programs are offered for practicing health professionals for skills training and career advancement?

Skill training is inseparable part of the medical teaching curriculum and every medical student is trained to achieve the skills needed to practice with perfection.

The PG program of MD and MS in nearly all medical specialties is offered to MBBS Doctors and it dramatically helps them in career advancement.

In addition to health care skills, proper training on education technology and Research Methodology are also provided to post graduate students.

These **training programs are conducted in the form of CME**, workshops, integrated teaching sessions and clinical procedure performance under guidance of experienced faculty.

CURRICULUM ENRICHMENT

1.3.1 How often is the curriculum of the institution reviewed and upgraded for making it socially relevant and/or skill oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?

The role of the institution in reviewing and upgrading the curriculum is limited since the curriculum in medical science is decided and guided by MCI, which is followed by the Universities.

1.3.2 During the last four years, how many new programs were introduced at the UG and PG levels? Give details.

During last 4 years 12 MD/MS programs were introduced in addition to previously existing 7 MD/MS and MBBS course.

Sr. No.	Name of Course	Starting Year
1	M.D. General Medicine	2014
2	M.D. Dermatology	2014
3	M.D. Radio Diagnosis	2014
4	M.S. Orthopedics	2014
5	M.S. Ent	2014
6	M.S. Ophthalmology	2014
7	M.S. General Surgery	2014
8	M.D. Obstetrics & Gynecology	2014
9	M.D. Pediatrics	2014
10	M.D. Anesthesia	2014
11	M.D. Psychiatry	2014
12	M.D. Pulmonary Medicine	2014

1.3.3 What are the strategies adopted for the revision of the existing programs? What percentage of courses underwent a syllabus revision?

The role of the institution in revision of syllabus of existing programs is very limited and indirect because the College implements the curriculum based on the syllabus adopted by the University and MCI.

However within the limited scope the faculty Members as the members of Board of studies of the University provide active assistance in planning and revision of the programs based on the feedback of the stake holders.

1.3.4 What are the value-added courses offered by the institution and how does the institution ensure that all students have access to them?

Though there are no specific value added courses, because the institution is recognized and permitted only for MBBS, MD, and MS courses. The students are encouraged to participate in value added educational activities in the form of Academic meets, CME, Seminar, workshop and conferences.

1.3.5 Has the institution introduced skills development programs in consonance with the national health programs?

The institution plays the pivotal role in implementation of most of the National Health Programs, and the medical students, both UG and PG get hands on experience of these programs.

Community oriented projects are done round the year by the Department to promote the ongoing Government Health Programs.

The practices adopted by the Department are revolving around Interns who are posted for 2 months in the Department. Projects are taken up in the rural and urban field practice area, where these Interns under guidance of Faculty & PG students conduct surveys/camps/health education/practice curative medicine.

The achievements are like:

- a. Collection of sanitary napkins by adolescent girls/their mothers from AWWs/ASHA after our project work.
- b. Increase in coverage percentage in Immunization among rural population where projects were done.
- c. Adoption of exclusive breast feeding and initiation of breast feeding within 3 hours of delivery for utilization of colostrums by lactating mothers after Antenatal & Postnatal education are encouraging evidences.
- d. An ongoing De-Addiction campaign is being run at our RHTC, We have set up provisions for counseling sessions for the identified

alcoholics, providing them necessary motivation & follow up.

Also, we have tied up with NGO's for referral services for those who require admission and prolonged behavioral correction monitoring.

- e. Community Medicine Department has been conducting Nutritional surveys & assessing the Health status of school children in various local schools in urban slums. Regular de-worming, hygiene monitoring as well as facilitating Handwashing & its importance among young boys & girls is being regularly done. In the past four years, we have been successful in checking the rate of Open Field Defecation among school going age group & in ensuring establishment of hygienic toilets within nearby villages.
- f. In ongoing Vitamin-A prophylaxis program, we are targeting our Rural Villages & assessing existing ocular & extra-ocular deficiency manifestations among children & providing necessary corrective measures. This is part of National Health Program.

Research methodology is taught to the Interns. The results of our departmental projects and surveys are published in various recognized International & National journals once the data is compiled.

In association with the Government of M.P, our PG students & Interns have successfully run a Health camp with emergency services during Simhastha Mahaparv at Ujjain during April-May, 2016 at the Mahakaleshwar Temple Premises.

The institute is following the Guidelines of World Health Organization & Ministry of Health, Central Government.

Professors from other esteemed Medical Colleges visit us to deliver Guest Lectures & this promotes exchange of Medical knowledge & expertise.

1.3.6 How does the institution incorporate the aspects of overall personality development addressing physical, mental, emotional and spiritual well being of the student?

Personality Development is addressed as:

1. Encouraging student participation in sports: The institute has a well developed sports complex with indoor/outdoor games and Gymnasium.
2. Yoga and meditation facility with experts is provided
3. Guest lectures by spiritual leaders are organized.
4. Mentors and counselors are available to give emotional and psychological support.

1.3.7 Does the curriculum provide for adequate emphasis on patient safety, confidentiality, rights and education?

Yes.

SOP's for patient safety methods are prepared.

1. The safety concept has moved from traditional diagnosis, treatment and follow-up to good team work, effective communication, prevention and/or early detection of adverse effects.
2. Patient safety is covered in various stages in various departments like – Microbiology, Pharmacology Surgical branches (sterilization, Waste disposal, Medication safety, OT discipline, Patient identification, Prevention of Ventilator associated pneumonia (ICU), W.S.P.E. (Wrong Site, Procedure, Patient Error) and Nosocomial infections
3. Quality is ensured with regard to safe care, effectiveness, efficiency, timely patient centered treatment. Special efforts are taken to avoid wrong person, procedure and site during surgery. Whenever any new equipment is used it is done under a faculty who is trained to use it and same is done while introducing new procedures.
4. Clearance from **Institutional Ethics Committee** and **Informed consent** of patient is taken in all research projects undertaken.
5. Rights and responsibilities of the patients are also included in the curriculum.

1.3.8 Does the curriculum cover additional value systems?

Yes, the curriculum covers all the additional value systems. The various qualities required for a medical doctor/are emphasized all through the training program i.e. confidence, competence, concern, compassion and care.

Value added events to mark various days by exhibition, posters, rally to sensitize gender equality, fetal infanticide, HIV/AIDS awareness, literacy, socio-cultural issues are celebrated. These programs help the student to develop required values.

There is a board displaying value education snippets, which are changed frequently.

1.4 Feedback System

1.4.1 Does the institution have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

Yes.

1. Structured feedback from students regarding the curriculum is obtained periodically.
2. Suggestion boxes are placed at suitable places.

Feedback assessment and analysis is carried out for incorporating suggestion which are relevant and feasible and are accordingly included for addition / revision in the curriculum.

1.4.2 Does the institution elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and their impact.

Yes, Feed-back is obtained from Adjunct, Visiting, and International faculty who are important knowledge and learning resource. Their contribution is mediated through online discussion, participation in conferences and workshops, CME programs and guest lectures. Some of the contributors are internationally renowned experts and clinicians.

Feedback is taken in a structured format during Medical Education workshop, Pharmacovigilance and other workshops that provide corrective guidelines.

All the discussions and feedbacks have helped the institute to improve and introduce e-learning, PBL, one minute Preceptor-ship and in setting up of a communication skill lab, in a manner enriching the academic ambience as a whole.

1.4.3 Specify the mechanism through which affiliated institutions give feedback on curriculum and the extent to which it is made use of.

Not applicable since we do not have any affiliated institution for medical faculty. However our faculties are members of Board of Studies of the university and they give feedback on the curriculum to the university. The collective impact is substantial and directs positive improvement in curriculum.

1.4.4 Based on feedback, what are the quality sustenance and quality enhancement measures undertaken by the institution in ensuring the effective development of the curricula?

Since we are governed by MCI, the role in developing curriculum is limited and indirect as stated earlier. However apart from the syllabus, quality measures are implemented like all the lecture halls and most of the departmental seminar rooms are equipped with LCD Projectors. This allows teaching using digital aids such as Microsoft Power Point and facilitates the use of video clips in the lectures. The same is also used in postgraduate seminars. Faculty members are enriched with medical education and technology trainings by medical education unit.

1.4.5 What mechanisms are adopted by the management of the

institution to obtain adequate information and feedback from faculty, students, patients, parents, industry, hospitals, general public, employers, alumni and interns, etc. and review the activities of the institution?

- Feedback is taken from the faculty regarding the facilities in the institution and their creative suggestions are taken seriously for the betterment of the institute.
- The students are given the opportunity to give their inputs and feedback through a confidential feedback form at the completion of their graduation, these feedbacks are analyzed and reviewed by the management to take remedial measures.
- Parents are informed about academic performance of their wards periodically and consider their suggestions.
- Patient suggestion/complained boxes and patient feedback forms are made available at various places of hospital premises.
- Academic peers informally get feedback during academic meets, CME and conferences.
- Suggestions are collected from general public at the times of field visit and medical camps organized by the institute.
- The analysis of this data is used for making strategy for the future.

Any other information regarding Curricular Aspects which the institution would like to include.

The institute strictly follows the guidelines of MCI and University. However a number of innovative measures are being undertaken to enrich the curriculum for example:

- Weekly guest or integrated lecture series for the up gradation of the knowledge.
- Provision of cash incentives for the research publication
- Training of the faculty in the Medical Education and Technology
- Organization of workshops on special topics such as research methodology, Good clinical practice, Pharmacovigilance and so on
- Innovations of 'Communication Skills Lab'
- Community oriented Projects by all the Intern batches have a preventive & promotive action in achieving the positive health in community and also in developing a confident approach to the research methodology for the students.

CRITERION-II

TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the college ensure publicity and transparency in the admission process?

College has a systematic approach and promotional strategy to attract the best students from all over the country (national admissions). College has its own website with the details of the institute, faculty, curriculum and its implementation which attract the students to seek admission in professional course with the norms of apex body. Alumni of the institute also disseminate reputation of the institute.

Transparency in the admission process is further assured by the regulation of admission by the state government and MCI.

2.1.2 Explain in detail the process of admission put in place by the university. List the criteria for admission: (e.g., (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common entrance test conducted by state agencies and national agencies, (v) any other criteria followed by the university (please specify)). (Admission process for different categories is to be included)

The admission and counseling process is being governed by the state government under control of Director Medical Education (DME). It has always been transparent and is on the basis of merit. Out of all the admissions 15 % is management quota and 50 % of the rest is filled by the state government on the merit of all India PMT/ Pre-PG test. The remaining seats are filled on the merit of a national competitive examination held by MP DMAT (Madhya Pradesh All India Dental and Medical Admission test). From 2016 admission are through a common national examination referred as NEET (National Eligibility cum Entrance Test).

The admissions, depending on the merit of the concerned examination, are regulated by the state government.

The Eligibility Criteria for admission in MBBS are:

- **Completion of the age** of 17 years on or before 31st December of the year of admission to the MBBS Course
- **Passing of 10+2 Higher Secondary Examination** or equivalent examination after a period of 12 years study with the last two years of

- study comprising of physics, Chemistry, Biology with English.
- Passing of the pre-medical examination conducted by the state or national government or MP DMAT/ NEET.

As per the norms of state government 15% (23) seats are the management seats. The 50% (63) of the remaining seats are filled by the state/national government pre medical test and 50% (64) by MP DMAT. From 2016, all the seats except NRI are filled on the basis of NEET.

Minimum qualifying marks in pre-medical test are 50% for unreserved candidate, 40% for SC/ST/OBC and 45% for physically handicapped as per the government norms.

In the state government quota 15% seats (10) are reserved for SC, 20% (12) for ST and 15% (9) for OBC.

2.1.3. Provide details of admission process in the affiliated colleges and the university's role in monitoring the same: Not applicable

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?

Yes

1. **Admission process** is periodically reviewed by the state government and amendments are done accordingly.
2. **Students Profile:** After admission, the student profile is assessed by a scrutiny committee to observe the fulfillment of the MCI norms.

The students' academic profile is also regularly assessed by different types of tests and examinations. A critical feedback and necessary help is provided to the student to enhance their academic performance.

The student is encouraged to participate in the national health programs and research activities conducted by various departments.

The students are also motivated to participate in sports, cultural and social events with the motto that 'a healthy mind resides only in the healthy and spiritual body.'

3. **Outcome:** The above mentioned process helps in
 - a) Identifying slow learners and providing them desired support.
 - b) Identifying the above average students to provide them further

- opportunities to prove in the future competitive examinations.
- c) Ensuring better performance in curricular and co-curricular activities and programs of national importance.
 - d) Achieving a good performance in the extracurricular activities such as sports and cultural activities.

2.1.5 What are the strategies adopted to increase / improve access for students

- SC/ST
- OBC
- Women
- Persons with varied sections
- Economically weaker section
- Outstanding

1. SC / ST / OBC:

- a. Students seeking admission from the above backward communities have been statutorily provided with relaxation in eligibility norms by 10%
- b. The teaching – learning process is facilitated through capsulated teaching and added teaching hours for slow learner of all categories.
- c. The college facilitates procurement of educational loan from nationalized banks.
- d. College provides support for scholarship from state government.

2. Women:

- a. Health sciences have served to attract women in larger numbers than any other professional course.
- b. Zero tolerance for gender bias and harassment of any type at work place/ learning place.
- c. Gender equality and gender sensitization has created a very conducive environment for women in the campus.
- d. Specially created halls of residence, safety, security and discipline.
- e. There is a grievance redresser cell for prevention of sexual harassment including other grievance of girls student.
- f. A qualified counselor appointed by college helps students in resolving their personal and academic problems.

3. Differently abled:

- a. Differently-abled students are provided with infrastructure facilities like wheelchairs in the campus and lifts at hospital

b. Scribe facility for physically challenged student is provided in university examination.

4. Economically weaker section:

College acts as facilitator to avail education loans from banks and scholarship from the government agencies.

5. Minority community: College acts as facilitator to avail specific education loans and scholarship from the minority agencies.

2.1.6 Number of students admitted in the institution in the last four academic years.

Categories	2015	2014	2013	2012
SC	03	02	03	02
ST	01	01	02	02
OBC	46	46	44	51
General	100	101	101	95
Total	150	150	150	150

2.1.7 Has the university conducted any analysis of demand ratio for the various programs of the university departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase / decrease.

We cannot comment for trends in demand ratio since it is a professional course where the qualifying examination and admission process are governed and regulated by state government as per the norms of apex body (MCI).

2.1.8 Were any programs discontinued / staggered by the institution in the last four years? If yes, specify the reason.

No, program was discontinued.

2.2 Catering to Student Diversity:

2.2.1 Does the institution organize orientation / induction program for fresher? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent year.

Yes.

The institution organizes induction program for Fresher. After the welcome address by the Dean students are sent to various departments for orientation.

Areas covered:

- a. Introduction to staff of the departments.
- b. Orientation of departmental laboratories, lecture halls, and tutorial rooms.
- c. Working system of the departments.
- d. Discipline to be followed by the students.
- e. Anti ragging policy.
- f. Prevention of Sexual harassment at workplace.
- g. Access to the Library and information resources.
- h. Hostel facility mess and its regulations.
- i. Sports facility.
- j. Health care and cover provided for students on the campus.
- k. Students' charter, Academic Calendar, Attendance, Examination and Internal Assessments.
- l. Mentorship program
- m. Grievance redresser cell.

2.2.2 Does the institution have a mechanism through which the “differential requirements of the student population” are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

Yes.

Variance in student knowledge and competence exists as a result of student diversity.

- a. They are identified and addressed by induction and orientation courses before commencement of the program.
- b. Students passing out from state boards with regional languages are offered colloquial English classes.
- c. Classes in elementary dialect required communicating with patients and local people are routinely arranged.
- d. Students unable to cope up are identified and they are referred for further assistance and guidance for attaining linguistic skills and computer skills.

2.2.3 How does the institution identify and respond to the learning needs of advanced and slow learners.

- 1. Identification of slow learners:**
 - a. On the basis of periodic assessments
 - b. Performance in teaching sessions
 - c. Mentor Assessment.

- 2. Strategies Adopted for slow learners:**
 - a. Mentors are assigned with the specific purpose of understanding their individual problems (e.g. language, subject phobia inferiority complex)
 - b. Customized correction by counseling, improving self confidence, and monitoring their performances regularly.
 - c. Capsulated Teaching involves specially designed extra teaching program.

- 3. Advanced Learners:**
 - a. Advanced learners are encouraged to further improve their performance by taking part in academic competitions, seminars, debates and quizzes.
 - b. Sponsored for conferences and encouraged to present papers.
 - c. Suitable teaching assignments and interactive sessions.

2.2.4 Does the institution offer bridge/ remedial/ add on courses? If yes, how are they structured into the time table? Give details of the courses offered, department wise / faculty wise.

No bridge course is offered. However remedial and add on facilities are provided by all the departments in the following manner-

- The mentor invites the mentees to discuss about their future goals and problems in achieving them, so that the corrective measures could be taken.
- Every teacher invites students to meet them to individually get the doubts clarified.
- Extra time is allotted for topics that are not properly understood based on the feedback.
- To bridge the knowledge gap, beyond the syllabus, a few specialized classes are also scheduled on English, computer use, internet access, and research methodology.
- Motivational and ethics based classes are also arranged for the students, staff and faculty.

2.2.5 Has the institution conducted any study on the academic growth of the students from disadvantaged section of society, economically disadvantaged, differently-abled etc.? If yes, what are the main findings?

No such study is conducted by the institution. The institute adheres to government policies for the differently abled students and all the facilities are provided as per the disability.

2.2.6 Is there a provision to teach the local language to students from other states/countries?

Since most of the students in the institution are from India, there has been no need to teach the local language Hindi.

2.2.7 What are the institution's efforts to teach the students moral and ethical values and their citizenship roles?

- Orientation programs conducted every year include guidance to students regarding ethical and moral values.
- Special emphasis and understanding of medical etiquettes, ethics and moral values is facilitated by senior teachers.
- Emphasis on discipline and punctuality is maintained.
- Celebration of days of national importance such as Independence Day,
- Republic day, Women's day, Doctors day, Teacher's day and
- World health days (Cancer day, AIDS Day, Anti-tobacco day),
- Blood donation camp.
- Community health camps & surveys

2.2.8 Describe details of orientation/ foundation courses which sensitize students to national integration, Constitution of India, art and culture, empathy, women's empowerment, etc.

National integration

Students are sensitized by organizing - Special talks on national integration during Independence Day and Republic day and annual function of college.
- Celebrating all festivals of India including Saraswati Pooja, Ganeshoutsav, Navratri etc motivate the students to understand the Indian culture.

Art and culture:

- Annual function-is organized to promote art and culture
- Institute promotes Student participation in inter college art and cultural competitions, youth festivals and youth conferences.
- Annual sports meet is organized to promote team spirit and physical fitness.

Women's empowerment:

A gender harassment cell is constituted lead by a team of motivated female faculty for guidance, counseling and looking into any cases of women-harassment or gender biasing.

Female student representatives are included in different committees.

Sports and cultural activities especially for women are promoted

Social Responsibility: The institute encourages the saving of natural resources and pay attention to social responsibility by-

- Water conservation
- Power conservation
- Go-green campaign
- Blood donation camps
- Tree plantation
- Swachh Bharat Abhiyan
- Health check upprograms

2.2.9 Has the institution incorporated the principles of Life Style Modifications for students based on Eastern approaches in their day to day activities?

- Special guest expert lectures are regularly organized to emphasize on the benefits of life style modifications.
- Healthy and nutritious food is recommended and same is provided by the college mess.
- The availability of green and clean campus is an excellent environment for peaceful living, learning and physical activity.

2.2.10 Has Yoga/Meditation/any other such techniques been practiced by students regularly as self-discipline?

Students practice yoga, meditation, field games and exercise in the well equipped Gym as part of regular routine for healthy lifestyle.

2.2.11 How does the institution attend to the diverse health issues(physical and mental) of students and staff?

- The Medical College and Hospital has all specialties available within campus, which is sufficient to cater the needs of students and staffs' health issues. The doctors attend to health needs of students on priority in the OPD and during emergency situations.
- The management provides free of cost treatment to medical students on case to case basis.

- Sick leave is granted.
- Transport facilities like hospital Ambulance etc. are available to deal any medical emergencies.
- The Clinical Psychologist and Senior faculty of Psychiatry department specially provide counseling services individually and as group therapy to medical students, during examination periods.
- Stressed students are referred by their mentors to meet the Psychologist/ Psychiatrist.

2.2.12 Does the institution cater to the needs of groups / individuals requiring special attention by conducting group classes / special individual trainings / focused group discussion / additional training measures etc.?

Students requiring special attention are attended at department level by

- Individual guidance
- Special viva-voce
- Revision classes before examinations
- Conducting group discussions,
- Seminars and tutorials
- Special assignments

2.3 Teaching-Learning Process

2.3.1 How does the institution plan and organize the teaching-learning and evaluation schedules such as

Academic calendar:

This is provided to the students at the beginning of the term. It includes the teaching plan and the tentative dates of examinations and the list of holidays.

An Internship Log Book is given to each intern student, and this contains the details of rotation and period of posting as per MCI guidelines. It also includes the aims and objectives of the training and teaching learning process in each department.

The PG Students are directed to prepare a PG Log Book immediately on the commencement of the PG Program, which is specific to their department to fulfill the MCI guidelines of PG Medical teaching. This log book is regularly checked by the supervisors and finally evaluated by the examiners.

Teaching plan:

- Teaching plan is prepared and maintained in each department in advance.
- It includes course objectives, units planned, no. of hours, teaching methods, teaching aids etc.
- Pre-clinical and Para clinical: Lectures / Practical as per the syllabus
- Clinical: Lectures, Tutorial, Bed side clinics and OPD postings as per the syllabus

Rotation plan:

- Rotation plan is prepared for clinical postings and is mentioned clearly in the log book.
- The respective H.O.D. is informed about the names of students in each group for rotational clinical postings by the student section

Course Plan:

- Course plan for a particular subject is strictly as per the guidelines prescribed by MCI. However the faculty always try to exceed the minimum requirements prescribed by MCI.

Unit Plan:

- Topics in different subjects in that semester are identified and integration of the topics by concerned departments is executed.

Evaluation Blue Print:

- End of semester evaluation is done on theory and practical examination and ward leaving tests (WLT) in clinical subjects.
- Quiz, seminars, viva-voce etc add on to evaluation of the students.

Outpatient Teaching:

- For UG MBBS students: Students are posted in the O.P.D, of Clinical departments for Out-patient teaching.
- Teaching is implemented by faculties and resident doctors in the clinics as per the departmental teaching schedule.
- The OPD is designed to facilitate teaching during patient examination under full privacy.
- Special Demonstration Rooms are provided in the OPD area of each department, and is equipped with LCD Projectors and Black or White boards.
- Periodic assessment of clinical skills is done on regular basis by senior faculty members.
- Students have to present a case study during clinical case discussions during which extensive discussions are held on the case history, diagnosis and treatment plan.

- For PG Students: as per unit pattern they are involved in direct patient management under supervision of senior faculty, and by the end of their residency period they are capable of handling the OPD patients independently.
- Seminar Rooms are available in OPD Area for seminars, group discussions, journal clubs, case presentation etc
- Specialty Clinics are held every day, and the PG Students learn about commonest diseases from experts, while examining a number of cases of the same disease.
- Super specialist's OPD: Superspecialists(DM, M Ch)are available in superspecialty OPD on specific days of the week, and the PG students get individualized teaching opportunity during this interaction.

In-Patient Teaching:

- UG Students are posted in departments, ICUs and Wards for bedside teaching.
- Ward rounds are conducted daily by faculty members, Residents and Interns during which bed side teaching is imparted. The UG students actively take patient history, do examination and present the case to resident doctors daily.
- They observe and learn about all the procedures carried out on the patient in the ward e.g. Injecting medicines via different routes, recording Blood Pressure, Temperature, Catheterization, Ryle's tube insertion, Lumber puncture etc
- They witness life saving procedures of CPR and Intubation also.
- A ward end examination to evaluate the knowledge and skills developed is held at the end of the term posting.
- For Interns: hands on exposure is allowed and they learn the skills by doing basic procedures,
- For PG Students: The ward is an intensive learning place, where they manage patients from admission to discharge, directly prescribe all medicines, and do all procedures under supervision of the Unit's Faculty.
- A Ward side Teaching Room is provided in each department along with a museum and departmental Library where the PG Students study.
- A doctor's duty room is available for PG residents in each ward.

Clinical Teaching in other sites:

- The Intern and PG Residents learn by actually assisting the Surgeon during operations.
- UG Student also learns during their posting at urban and rural health centres.

Teaching in the community:

- The department of community medicine specializes in training UG and PG Students towards meeting the health care needs of the community.
- The UG Students are exposed to the Preventive and Social medicine teaching process of community medicine department throughout their UG period. The department organizes field visits, (Industry, Primary Health Centres, Remote villages, Old age homes etc).
- The Rural Health Training Centre at Double Chowki is an excellent place for teaching UG Students in a village environment about Rural Community health needs.
- The Urban Health centre at Aathmeel is an ideal place where teaching is imparted to UG students about the special health needs of the urban areas.
- UG students, Interns and PG students and faculty members participate in the Community Health Screening Camps.

2.3.2 Does the institution provide course objectives, outlines and schedules at the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

- A 'Log Book' has been developed by the institution based on Undergraduate and Post graduate course objectives, outlines and schedules as per the guidelines of MCI for UG students, Interns, and PG Residents every year.
- Internship course outline, objectives, duties and responsibilities are defined in the internship program plan given in Log Book and it guides the learner effectively during his entire period of study.
- The same Log Book is the record and certification book and is submitted for assessment during the final examination.

2.3.3 Does the institution face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.

The curriculum is completed within the time frame since the methodology evolved by the teachers in structuring their teaching-learning is planned as per the given curriculum. The institution has reduced the number of holidays to increase the total working hours to incorporate the revision and additional teaching.

2.3.4 How learning is made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

1. Integrated Teaching: Integrated teaching simplifies the medical science when they are taught clinical and nonclinical disciplines together. It ensures better understanding, retention and recall in patient management.
2. Small Group discussions: Students in small group are given a topic and subject experts initiate, supervise and facilitate discussion.
3. Problem based learning: It enhances the student interest and ability to explore the knowledge, to generate hypothesis and to make a clinical correlation.
4. Evidence based learning: Evidence based medicine combine, the best available external evidence, the skills and experience of the physician along with patients concerns, beliefs and expectation for optimal results.
5. Community Oriented Teaching: The department of Community Medicine in its curriculum stipulates field visits to communities to recognize health issues, understand the difficulties, carry out surveys and learn to take reasoned clinical decisions. Community health activities like health camps and awareness programs allow students to directly interact with patients, villagers and health workers. It strengthens the community approach for providing health care.
6. By ensuring participation in Conferences/ CMEs/ Workshops / group discussion/seminar/Quiz.
7. Students Seminars: Seminars are conducted on assigned topics by students in all subjects.
8. Research integration: Students are oriented to research methodology and are encouraged to take up research projects. It is compulsory to write a thesis for PG student.
9. Teachers are exposed to the medical education training in the institute and other regional/nodal centers of medical education technology. It helps in the development and up gradation of various teaching skills.
10. Teachers are also motivated to participate in training programs such as NABH, ICD10, RNTCP, etc to develop the clinical, academic and administrative skills.

2.3.5 What is the institution's policy on inviting experts / people of eminence to augment teaching-learning activities?

- Regular Faculty Development and CME Programs are conducted and experts of high repute are invited.
- Conferences and other programs related to academics are organized to

augment teaching-learning activities.

- Special guest lecture by experts is frequently organized.
- Eminent people are invited to give talks on days of health importance and social relevance

2.3.6 Does the institution formally encourage learning by using elearning resources?

Libraries are equipped with digital databases, subscriptions to online journals/repositories which enable faculty members to prepare learning material using latest information. Faculty and students are encouraged to use e learning resources to enhance their knowledge. Internet facility is provided in departments and central library. There is a Wi-Fi zone created in college library.

2.3.7 What are the technologies and facilities such as virtual laboratories, e-learning and open educational resources used by the faculty for effective teaching?

1. All lecture theatres and demonstration rooms are e- enabled. The faculty uses Audio-visual aids in the form of OHP/ laptops (every department is equipped with its personal computer) for power point presentation. Every lecture hall is equipped with overhead projector and computer for power point presentation. Power-point presentations have been developed for a number of topics by every department covering as significant content of didactic lectures.
2. All faculty members are trained in the use of computers and their knowledge is constantly upgraded for utilizing new software that is added.
3. Wi-Fi connectivity, networking of various departments with LAN is provided for seamless communication and sharing of knowledge.
4. Computer Aided animal experiments in pharmacology and physiology are performed to save the animals.
5. Museums: the departments are having museum with all kinds of specimens, charts, models, and relevant text as an important educational and learning resource.

2.3.8 Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the institution's educational processes?

Presently there is no such group.

2.3.9 What steps has the institution taken to transition from traditional Class rooms into an e-learning environment?

- Faculty makes use of models, graphs, PowerPoint presentation through ICTtools to present the content in the syllabus. Faculty makes use of collaborative learning and active learning. Animal experiments in the department of physiology and pharmacology is been taught on simulation software. Few departments have adopted a blended learning with a proper mix up of traditional face to face classroom with modern online teaching. Use of social media and on line teaching to initiate and maintain the interest in the teaching and learning of medical science.
- Impact on student learning: Learning becomes interesting, easy and interactive, which is an essential component of the teaching-learning process. The examination result is improved and also the enhancement of the confidence and ability of students. Academic interest of students in projects, research as well as extra and co curricular activities have improved.

2.3.10 Is there provision for the services of counselors / mentors/ advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted?

- There is a full time Clinical Psychologist available with the college and his Services are availed for each class of students for academic, personal and psycho-social guidance.
- The Psychiatry department is consulted in few cases too- like systemic desensitization to few students who had panic attacks before exams.

The Mentor System - Mentors are chosen from the teaching faculty. - Equal number students are assigned to each mentor according to the academic year.

Mentors/class coordinators supervise/guide the academic, personal and psycho-social growth of students.

- There have been few cases of depression and addiction that have been treated.

2.3.11 Were any innovative teaching approaches/ methods/ practices adopted and implemented by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching.

Faculty makes use of models, graphs, PowerPoint presentation through ICT tools to present the content in the syllabus. Faculty prepares solved question bank for the students as well as provides university question paper solution. Content beyond syllabus are taught in the class for the subjects in the curriculum. Faculty makes use of collaborative learning and active learning. Animal experiments in the department of physiology and pharmacology is been taught on simulation software. Few departments have adopted a blended learning with a proper mix up of traditional face to face classroom with modern online teaching. The departments also try to fill the gap between the two levels of competencies viz., traditional university examinations and modernized pre-PG examinations. Some of the unique innovative approaches adopted in last four years are:

- ‘Communication Skills Lab’ in the department of General Surgery to impart a methodical training of students for proper communication with patients, medical and paramedical staff.
- ‘Surgical museum’ in the department of General Surgery has been enriched with self made innovative dummies and Plaster of Paris models for an efficient clinical teaching along with generation of innovative creative ideas.
- Use of social media and on line teaching to initiate and maintain the interest in the teaching and learning of medical science.
- Community oriented Projects by all the Intern batches to promote a positive health in community and to build a confident familiarity to the research methodology for the students.

Impact on student learning: Learning becomes interesting, easy and interactive, which is an essential component of the teaching-learning process. The examination result is improved and also the enhancement of the confidence and ability of students. Academic interest of students in projects, research as well as extra and co curricular activities have improved.

2.3.12 How does the institution create a culture of instilling and nurturing creativity and scientific temper among the learners?

1. Creation of Infrastructure: The institution in its efforts to attract best students and qualified faculty needs to create the necessary infrastructure for research.

2. Research Integration in the curriculum: Research is an integral part of the curriculum and students are periodically oriented in Research Methodology
3. Participation in Research Meetings:
 - i. Students are encouraged to attend and take part in Conferences, Symposia, CMEs, and Workshops as they promote scientific activity.
 - ii. Journal Clubs and interdisciplinary clinical meetings serve to build a scientific temper.
4. Mandatory paper publication:
 - i. It is mandatory for Post-Graduate students to conform to a system of “poster, presentation and publishing a research paper” in an indexed journal is a prerequisite for their appearance at the postgraduate examination.
 - ii. Faculty is required to publish a prescribed number of research papers in indexed journals which is compulsory for promotion.
 - iii. Incentives: Financial support in the form of cash incentive is provided for publication of research paper.
 - iv. Research Projects: Students are encouraged to participate in research projects.

2.3.13 Does institution consider student projects mandatory in the learning program? If yes, for how many programs have they been (percentage of total) made mandatory?

*** Number of projects executed within the institute?**

*** Names of external institutions for student project work**

*** Role of faculty in facilitating such projects**

Yes, project work is mandatory in PG degree courses (100%).

Every PG Student is pursuing a project work as part of the curriculum.

Most of the projects are executed within the institution. The details of the projects have been provided with the departmental reports.

Role of faculty: Topics and synopsis of projects are prepared by the student in consultation with the faculty and finalized. Approval of the scientific review committee and Institutional Ethics Committee is mandatory before undertaking the project work for research project in PG students.

2.3.14 Does the institution have a well qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

Yes, there is well qualified pool of human resource to meet the requirements of the curriculum. Qualified human resources requirement designed by MCI is fulfilled and that is approved during MCI inspections.

2.3.15 How are the faculty enabled to prepare computer-aided teaching /learning materials? What are the facilities available in the institution for such efforts?

- Faculty is trained through Medical Education Technology program for computer-aided teaching/learning methods.
- Computers and internet facilities are available in departments.
- LCD and audio system facilities are available in the lecture halls
- E-Resources available through the library
- IT Department with software and hardware engineers is available to support.

2.3.16 Does the institution have a mechanism for the evaluation of teachers by the students / alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

Feedback system is in place to evaluate the faculty members in the duration of the course. The feedbacks are reviewed by concerned HOI/HOD and informed to the faculty member for remedial measures to be deployed if required.

2.3.17 Does the institution use telemedicine facilities for teaching learning processes? If yes, cite a few instances.

Presently we are not practicing telemedicine but are in process to initiate the facility. It will begin with the transmission of diagnostic reports like CT Scans, MRI, Digital X Ray, and pathological reports for the expert opinions.

Webinar of Proximal humerus fractures by Dr.Tanna (MS Orthopedics, Professor and Head, Jaslok Hospital, Mumbai and Member of American Academy of Orthopedic Association) was organized on 18th June 2016.

2.3.18 Does the institution utilize any of the following innovations in its teaching-learning processes?

Faculty undergo training continuously on teaching technology, and basics of different methods are discussed and the trained faculty practice the same in day to day teaching activity. All the following points have been used to different extents in the college.

ICT enabled flexible teaching system:

- Lecture classes are arranged in ICT modules: power point presentation.
- Teachers are motivated to use video from 'YouTube' to explain fundamentals.
- Students- especially PG students are motivated to use the 'Google search', 'Research Gate' in web to enrich their learning experience

The teachers also share with interested students the resources like e-books in PDF by pen drives.

Reflective learning:

Experiences of senior teachers are shared during grand rounds, clinical meetings, and in the one minute precept mode. All courses conducted by the college use reflective learning for continuing professional developments.

The institution promotes reflective learning by emphasizing Gibb's reflective cycle: - description- feeling- evaluation analysis- conclusion- plan. So that students become 'reflective learners' and the response is very encouraging because MBBS curriculum involves adult learning and skill development by actually doing and experiencing.

Simulations: Simulation softwares are being used in pharmacology and physiology departments to teach animal experiments to student.

The teaching hospital conducts training for doctor and nurses in Basic life support and Advance life support using simulation.

- Simulations are extensively used in clinical training e.g. CPR training on manikins, labour process in manikins.
- Situational Simulation is also experimented with where students play role of teachers and take viva voce examinations of other students while the debriefing is done by the faculty afterwards.

Evidence based medicine

- The emphasis is the quality of source that can be trusted and considered authentic- so the medical students are taught how to recognize the authenticity of information about evidence before they use it for treatment.
- For P G Students the emphasis is to teach systematic review of published research studies so that quality of evidence can be judged.

Problem based learning (PBL):

- The faculty is motivated to facilitate learning by supporting, guiding,

- and monitoring the learning process during PBL.
- It is commonly used in ward bedside teaching where clinical cases are presented to students in small groups and students involve in

Case taking:

- i. Presentation of the case
- ii. Analysis of the signs and symptoms and define the approach to diagnosis and management.

Student Assisted Learning (SAT)

Student assisted teaching: Student assisted teaching is mediated through seminars of students for students, Journal clubs, Tutorials and Targeted group discussions.

Self directed learning and skills:

1. Self directed learning is facilitated by providing excellent library facilities with access to wide information resources. The library has a repository of many national, international journals, Back volumes, E-books and E-journals, CDs, DVDs, and teaching learning modules.
2. The museums of Anatomy, Pathology, FMT, Microbiology, Pharmacology, Community Medicine., Surgery, orthopedics etc. are important knowledge areas for self directed learning.
3. Structured self directed learning mediated through periodic home assignments.

Narrative based medicine: Patients need physicians who during the process of treatment accompany them through their illness. It is patient centered and promotes understanding between the clinician and patients. Narratives are a part of our clinical teaching program that encourages holistic approach to management.

Medical humanities: Yes, there is an Endeavour by faculty to include in their lectures and teaching interactions all connections between medicine and other humanities like literature, philosophy, ethics, history, social sciences like anthropology, psychology etc

Drug and poison information assistance centre:

Yes, the departments of Pharmacology & forensic medicine act as information assistance centre for all other departments in the hospital.

Ayurveda practices: Our's is an institution to practice allopathy. Yet

numbers of herbal medicines are displayed in pharmacology museum and herbal-allopathic Medicine interactions are thoroughly discussed during teaching sessions.

Basic yoga: Students are taught about the benefits of meditation and yoga as an ancient Indian contribution to healthy living that is relevant even today. Occasionally a workshop is conducted.

Naturopathy and its practices:

Information regarding Naturopathy is additionally given to medical students in UG Medicine lectures.

2.3.19 Does the institution have an Electronic Medical Records facility, staffed by trained and qualified personnel? Is it used for teaching-learning process?

Yes, the Medical Records Department in the hospital is computerized and ICD-10 classification is used. The staff is trained and qualified.

2.3.20 Does the institution have well documented procedures for casesheet writing, obtaining informed consent and the discharge process of the patients?

Yes, standard procedure for case sheet writing is followed and is more specific to the concerned specialty.

Informed consent is taken for all procedures, in OPD or OTs in prescribed formats as per legal and ethical requirements.

A 'Discharge card' is given to every patient after treatment is completed. It contains details of the condition on admission, treatment given, investigation summary, condition on discharge and advice on discharge and instructions for follow up.

2.3.21 Does the institution produce videos of clinical cases and use them for teaching-learning processes?

Yes. Facility for recording videos is available and recording of complicated cases done for future teaching purpose.

2.3.22 Does the institution perform medico-legal / post-mortem procedures with a view to train the undergraduate and postgraduate students in medico legal procedures?

- Yes. The institute performs all medico legal protocols in cases of accidental, homicidal, suicidal injuries, poisoning cases etc. The

casualty medical officer is responsible to inform the police and record all medico-legal details of each case.

- The UG Students are trained through lectures in forensic medicine department about the medico legal procedures and observe the protocols during clinical postings.
- The PG Students in all clinical branches are actually performing the protocols and it is part of their training objective
- Post mortems are not performed because permission has not been granted by the state government. Infrastructure facilities and experts are available. The institution has applied for permission and hopefully it will be granted soon.
- Post mortems are demonstrated to UG students when they are performed at district hospital, and a written permission for observation by medical students, has been granted by the authority of district hospital

2.3.23 Does the institution has drug and poison information and poison Detection centers? How are these used to train the students?

The UG Students learn about drugs and poisons in the department of Pharmacology and Forensic Medicine. Poisons are exhibited in the Forensic dept. Museum and identification is taught to UG students.

The institution does not have a government recognized forensic lab as poison detection centre.

2.3.24 Does the institution have a Pharmacovigilance / Toxicology centre/clinical pharmacy facility / drug information centre/Centre for disease surveillance and control/ Prevention through Yoga/Promotion of positive health/Well-equipped Psychology Laboratory/ Naturopathic diagnostic centre, etc.?

Yes, Institute has an active Pharmacovigilance centre under Department of Pharmacology.

Yes, Institution has a Toxicology centre (but not recognized for medico legal work) in Forensic dept.

Yes, clinical pharmacy facility is available within the campus

Yes, pharmacology dept. provides drug information services to different clinical departments of college.

Yes, the hospital is officially centre for Integrated Disease Surveillance Project.

Yoga is not a regular practice but is promoted through occasional workshops.

Yes, Promotion of positive health is a regular function of Community medicine department

Yes, the Psychiatry department has Well-equipped Psychology Laboratory and a full time clinical psychologist

No, institution does not have a Naturopathic diagnostic centre

2.3.25 Laboratories / Diagnostics

How is the student's learning process in the laboratories/ diagnostics monitored? Provide the laboratory time table (for different courses).

UG Students are practically trained in laboratories in departments of Anatomy, Physiology, Biochemistry, Pathology, Microbiology, Pharmacology, Community medicine, forensic medicine and in Radio diagnosis department.

Practical classes are conducted as per planned teaching schedule in these subjects and faculty and technicians supervise.

Students maintain journal which is evaluated by the staff.

Student staff ratio in the laboratories / diagnostics: It varies with the department and mentioned in the departmental reports but it is maintained and verified as per MCI guidelines.

2.3.26 How many procedures / clinical cases / surgeries are observed, assisted, performed with assistance and carried out independently by students in order to fulfill learning objectives?

UG Students are allowed to observe in their clinical posting schedule and during Internship training they learn while assisting the minor surgeries and procedures

PG Students initially assist the surgeries and procedures and later on perform the procedures independently under direct supervision of the faculty.

2.3.27 Does the institution provide patients with information on complementary and alternative systems of Medicine?

Yes. Doctors counsel the patients and provide information about the possible interactions and significance of complementary and alternate system of

medicine.

2.3.28 What are the methods used to promote teaching-learning process in the clinical setting?

During clinical posting the students observe routine ward procedures, history taking, and routine medical examination, study cases, treatment and attend surgery or other major/minor procedures.

Surgical departments have audiovisual aids for demonstration of surgeries in real time.

PG Students also manage patients and perform surgeries under supervision and guidance of their PG Teachers and other faculty in the unit.

2.3.29 Do students maintain log books of their teaching-learning activities?

Yes. Log books are maintained by UG, Interns and PG Students.

2.3.31 Provide the following details about each of the teaching programs:

Number of Didactic Lectures:

The institute follows the norms of MCI of teaching hours distributed to the different medical subjects. Out of the total teaching hours allotted Didactic lectures are approximately one third and two third schedule includes practical, clinical or/and group discussions. This is to facilitate the medical learning process, which needs inclusion of live experiences, problem oriented approach, case studies and community health care activities.

Accordingly the time devoted to the study of each subject is as follow (in hours):

Anatomy	650
Physiology	480
Biochemistry	240
Pharmacology	300
Pathology	300
Microbiology	250
Forensic Medicine & Toxicology	100
PSM	310

ENT	70
Ophthalmology	100
Medicine	300
Surgery	300
Ob & gynaecology	300
Orthopedic	100
Skin VD	30
Radiology	20
Pediatric	100
Psychiatric	20
Tb chest	20
Dentistry	10

Number of students in each batch – 150 students are admitted in first year (first and second semester). Later on for the remaining semesters the numbers depend on the passing strength of the students that vary from batch to batch.

Number of rotations - As per academic calendar

Details of student case study/drug study: Varies from department to department and mentioned in the log book of concerned subject.

Nursing Care Conference (NCC): students also observe the nursing care principles during their clinical postings

Number of medical/dental procedures that the students get to see: Varies from department to department and mentioned in the log book of concerned subject.

Mannequins/Simulation/Skills laboratory for student teaching: Available for the teaching.

Number of students inside the operation rooms at a given time
About 4-6 can be inside the OT, depending on the procedure and department. Approx. 20 students can sit at a time in the adjacent OT Observation room

Average number of procedures in the OTs per week, month and year: Average is 41 major & 89 minor inclusive of entire hospital per day.

Autopsy / Post-mortem facility: Not permitted at present. The institute has applied for permission from State Government.

Teacher Quality

2.4.1 How does the institution plan and facilitate its faculty to meet the changing requirements of the curriculum?

Medical Education Technology program enriches the faculties to meet the changing requirements of the curriculum.

Faculties are competent to identify and facilitate further in their area of specialization through mutual discussion and regular curricular up gradation programssuch as Journals club meeting, group discussions, seminars and guest lectures.

2.4.2 Does the institution encourage diversity in its faculty recruitment? Provide the following details (department / school-wise).

Yes, the institute encourages diversity as evident from the table given below:

Department	No. of Faculty	Number of Faculty				
		Same institute	Same university	Other within state	Institute outside the state	Institute outside the country
Anatomy	5	1	1		3	
Anesthesiology	15		8	2	5	
Biochemistry	4			2	2	
Community Medicine	7			2	5	
ENT (Oto-Rhino-Laryngology)	6		4	2		
Forensic Medicine	1				1	
General Medicine	20		10	4	6	
General Surgery	22		8	5	9	
Microbiology	5	1			4	
Obstetrics &	15		1	5	9	

Department	No. of Faculty	Number of Faculty				
		Same institute	Same university	Other within state	Institute outside the state	Institute outside the country
Gynecology						
Ophthalmology	6		3	1	2	
Orthopedics	14		4	4	4	2
Pathology	9		3	2	4	
Pediatrics	15		2	2	11	
Pharmacology	5	1	2	1	1	
Physiology	4	1			3	
Psychiatry	7			1	5	1
Pulmonary Medicine	7		3		4	
Radio-Diagnosis	12		5	3	4	
Skin & VD	7		2	1	3	1
Total	186	4	56	37	85	4
%		2.15	30.11	19.89	45.70	2.15

2.4.3 How does the institution ensure those qualified faculties are appointed for new programs / emerging areas of study? How many faculties members were appointed to teach new programs during the last four years?

Selection, Recruitment and Appointment of faculty is done for the vacantposts after advertisement through a stringent but ethical and transparent Human Resource protocol, where the most qualified, meritorious and experienced persons are selected. The minimum qualification is as per the criteria of MCI (Teachers Eligibility Qualifications)

Appointment of eligible staff to teach new programs

12 new post graduate courses were started in last four years with due permission of MCI, state and central government. The courses started in 2014 with the seat allotment are as follow:

S.No.	Course	Number of seats
1	MD (General Medicine)	7
2	MD (Pediatrics)	4
3	MD (Dermatology)	2
4	MD (Pulmonary Medicine)	2
5	MD (Psychiatry)	2
6	MD (Anesthesia)	6
7	MD (Radio diagnosis)	3
8	MS (General Surgery)	7
9	MS (Obst.& Gynecology)	4
10	MS (ENT)	2
11	MS (Ophthalmology)	2
12	MS (Orthopedics)	4

Along with the new courses, for MD (Pathology) seats were enhanced from 3 to 9.

Additional two professors and two associate professors were appointed in Department of Pathology. Also two additional Asst. professors were appointed in department of Anesthesiology as well as in that of Radio diagnosis.

2.4.4 How many Emeritus / Adjunct Faculty / Visiting Professors are on the rolls of the institution?

No such faculty is on the rolls of the institution

2.4.5 What policies/systems are in place to academically recharge and rejuvenate teachers? (E.g. providing research grants, study leaves, nomination to national/international conferences/seminars, in- service training, organizing national/international conferences etc.)

To academically recharge the teachers following policies are adopted

Financial Assistance for Research: Research proposals of institutional interest are provided with financial assistance and the same is also extended to other

projects which are recommended by the Scientific Research Committee.

Special Incentives for research papers: Cash rewards have been instituted for faculty member who publish paper in indexed journals.

Participation in Conferences: Education is a dynamic process. The dynamics involve constant updates, refresher courses, and participation in conferences. Special academic leaves are provided to the faculty. All faculty members can avail the facility of attending the conferences. Faculty members are encouraged to present/ read papers/posters in national/ international forums and those invited to chair or moderate in conferences are suitably rewarded.

Organization of conferences, Symposium and CMEs: Faculty and Departments are encouraged to organize CMEs, Workshops, Updates and conferences. The conference expenses are borne by the institute.

2.4.6 How many faculty received awards / recognitions for excellence in teaching at the state, national and international level during the last four years?

The following faculty has received the awards:

- Dr.S.M. Holkar, Professor & Head of Medicine has received Dr. S K Mukheerjee Chikitisa seva award and ACC LEAD- Physicians Update Course Certificate awarded by American College of Cardiology Foundation.
- Dr. Manuj K. Sarkar Asso. Professor of Medicine – first position in ECG/HD TRACE QUIZ competition at 13th annual conference of cardiological society of India North East Chapter.
- Dr. Pankaj Kumar, Asst. Professor in Medicine -University gold medal 2015 in post graduate diploma in geriatric medicine Indira Gandhi National Open University.
- Dr. K.K.Khan from Anesthesia Department, got the honor of being chairperson & Judge at Silver Jubilee RSACPCON 2015 at Amritsar
- Dr (brig) Sanjeev Vaishampayan, Professor & HOD of Dermatology received best teacher award IADVL 2015
- International Award received by Dr. B.K. Agrawal, Professor & HOD of Biochemistry, for Excellency in research as “Leading Scientist of the world 2007” by International Biographical Center Cambridge England.
- Poster of Mr. Nilesh Chavan, Asst. Professor of Microbiology on Rotavirus is accepted in 12th International Symposium on Rotavirus to be held in Australia.
- Maj. Gen. (Retd) Shrikant Nema, Professor & HOD of Pathology is in advisory board of **Robins, Basic of Pathology**, South Asia Edition (Vol-I&II).

2.4.7 How many faculties underwent professional development programs during the last four years? (add any other program if necessary)

All senior faculties regularly attend conferences and workshops where professional development and skill development workshops are held.

Eminent guest lecture series and Involved academic Meets further enhances the professional development of the Faculty.

Some of the development programs and number of faculties attended are shown below

Academic Staff Development Programs	Number of faculty nominated
Refresher/Co-Ordinator Courses of Medical education technology at regional centre of MCI MET	16
Refresher Courses of Medical education technology at our own college, under observation of MCI representative	20
FIME (fellowship in medical education)Advance course	1
AT-COM (Attitudinal & communication competencies) module for Indian medical graduates at regional centre of MCI	3
Quality Management systems & implementation of NABH standard	23
RNTCP sensitization	98
QualityForensic services	01
STORM (Symposium and training workshop on Research Methodology)	93
Conduct of clinical trials & Good clinical practice	45
Pharmacovigilance workshop	75

2.4.8 How often does the institution organize academic developmentprograms (e.g.: curriculum development, teaching-learningmethods, examination reforms, content / knowledge management, etc.) for its faculty aimed at enriching the teaching-learningprocess?

The institution organize academic development program. The Number of

programs and workshops organized are shown in the table given above.

2.4.9 Does the institution have a mechanism to retain faculty? What is the annual attrition rate among the faculty?

The institution has a strategy to retain best faculty by special attention on :-

- Providing a peaceful, stress-free work environment Job Security and Job satisfaction
- Providing the best possible remunerations at par with state government.
- Timely promotion to higher cadre according to years of experience and research publications so the faculty does not feel stagnation at any time.
- Cash incentives are provided for research publications.
- Special designations are provided to motivate capable employees.
- Provision for residential facilities with recreation park, Gym, security and free meal facilities
- Special discount is provided to the wards of the faculty for the studies in Mount Litera School, situated close to the campus.
- Nomination for various training programs

The annual attrition rate among the faculty is 5-10% and for residence is 15-20%. Higher rate in residence is due to their preparation and selection for the higher courses.

2.4.10 Does the institution have a mechanism to encourage Mobility of faculty between institutions /universities for teaching/research?

Faculty exchange programs with national and international bodies?

If yes, how have these schemes helped in enriching the quality of the faculty?

Yes, mobility of faculty with various institutions is promoted and faculty regularly visits other national institutions for Guest lectures and for purpose of Examinations as external examiners.

The interaction enhances knowledge, skill and help to apply the expertise in own institution.

2.4.11 Does the institution have well defined career advancement policy for Health Science professionals? If yes, outline the policy.

At the entry level the faculty is appointed depending on the qualifications and experience as per MCI regulations (Minimum Qualifications for Teachers in Medical Institutions Regulations, 1998).

The faculty is promoted as per the eligibility criteria prescribed by MCI. Promotion is not only on the basis of number of years served and publications but also on the basis of his / her contribution in teaching, research and extension / institutional development.

The institution prefers to follow Optimum standards instead of Minimum standards of MCI.

2.4.12 How does the institution create synergies with other PG institutes for generating required number of specialists and super specialists?

The institute already has required number of specialists (Professors, Associate & Assistant Professors) as per MCI requirements.

Super specialist doctors (DM, MCh etc) are also included in the faculty for patient related care and training of the PG students.

Synergies are created with other in for collaborative research and exchange of expertise only.

2.4.13 Does the institution conduct capacity building programs / courses in subspecialties for its faculty?

Yes. Individual department regularly conduct capacity building programs and courses for their own faculty. Also conduct special capacity building classes for nurses, technicians, and dental faculty of associated colleges.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that all the stakeholders are aware of the evaluation processes that are in place?

- The academic calendar for each course is provided to the students.
- The course curriculum booklet contains all the details of syllabus, scheme of examination, pattern of examination, nature of question papers, viva voce, practical examination, continuous internal assessment and standard of passing.
- Induction program at the beginning of the each phase comprises communication of various evaluation methods to the students.
- The dates of terminal and pre-university examination are pre-planned and announced in advance.

2.5.2 What are the important examination reforms implemented by the institution? Cite a few examples which have positively impacted the examination system.

- The institution conducts special improvement exams for students who

do not perform well in the part-ending exams, internal exams and preliminary exams.

- List of important topics from ‘must know’ to ‘nice to know’ areas informed to students during lectures.
- This helps the students to prepare well for the University exams.
- The performance in internal exams is accounted for in University exams.
- All the above reforms have improved the University result.
- Introduction of multiple choice questions in exams enabled the students to perform well in Entrance examinations of higher courses conducted at national level.

2.5.3 What is the average time taken by the University for Declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode adopted by the institution for the publication of examination results (e.g. website, SMS, email, etc.).

- Average time taken by the University for Declaration of examination results is 30 – 45 days
- In case of any delay the issue is taken to the Controller of Examinations of the university through the Dean.
- Results are published in the University Website and hard copies are sent to the institute.

2.5.4 How does the institution ensure transparency in the evaluation process?

- In internal and preliminary exams, question paper is set by the respective department heads followed by evaluation of answer sheets and practical exam.
- Evaluated answer sheets of internal and preliminary exams are shown to the students.
- In University exams, panel paper setters and examiners nominated by University sets the question papers and conduct practical exams respectively.
- There is system of coded answer sheets and central evaluation for examination
- Internal and external examiners are appointed as per the norms of the University.
- Result is displayed on notice board of the college and records of maintained for the same.
- Surveillance system for monitoring the exams.

2.5.5 What are the rigorous features introduced by the university to ensure confidentiality in the conduct of the examinations?

- Surveillance of the entire examination process through CCTV.
- Continuous monitoring of the examination by Exam committee members.

2.5.6 Does the institution have an integrated examination platform for the following processes?

Examinations are conducted by the University. However the institute integrates the procedure by helping in:

Pre-examination processes:

- i. Time table and admit cards are issued by the university but displayed by the institute.
- ii. Invigilators are appointed from the faculty of the college
- iii. Attendance sheet – is provided by the university to be filled by the invigilators.
- iv. Squads are appointed from the University.

Examination process:

1. Theory examination: Seating arrangements and other amenities are assisted by the institute. Sealed question papers are received from university and are kept in safe custody, which are open in presence of two invigilators prior to examination in the examination hall only. Attendance report and absentee statement are compiled and provided to the university.
2. Practical examination: For the smooth conduction of the university practical examinations the infrastructure, man power, standard samples, chemicals, instruments, stationeries etc are provided by the institute.

Post-examination process:

- The sealed answer sheets are hand over to the university after the examination.
- Practical examination result is prepared by the examiners and forwarded to the university with maintenance of the confidentiality.
- Valuation of the answer sheaths, compilation and publication of the result is done by the university.

2.5.7 Has the university / institution introduced any reforms in its evaluation process?

- Compulsory CCTV surveillance
- Evaluation of answer sheets centrally at the University.

2.5.8 What is the mechanism for redressal of grievances with reference to examinations? Give details.

The student can apply for re-totaling/review/re-assessment of the answer sheets in prescribed format on payment of prescribed fees directly to the University.

2.5.9 Does the institution have a Manual for Examinations and if yes, does it specifically take cognizance of examination malpractices by students, faculty and non-teaching staff?

The examinations are under per view of the university so institution has not developed its own manual and that of University is adopted.

It specifically takes cognizance of examination malpractices by students, faculty and non-teaching staff.

2.5.10 What efforts have been made by the university to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved the process and functioning of the examination division/section.

Not applicable

2.5.11 What are the efforts of the institution in the assessment of educational outcomes of its students? Give examples against the practices indicated below:

Compatibility of education objectives and learning methods with assessment principles, methods and practices:

The concept of 'must know', 'good to know' and 'nice to know' which are predetermined is considered and questions are framed accordingly during formative assessment.

Balance between formative and summative assessments:

Equal importance is given for formative and summative assessments by the concerned departments.

The formative evaluation provide platform for appearing University summative examinations.

Increasing objectivity in formative assessments:

Evaluated copies of internal examinations are shown to the students for further discussion and improvement to maintain the transparency in correction of papers.

Objective questions are given in the formative assessment though such questions are not there in University pattern.

Formative (theory / orals / clinical / practical) internal assessment:

Written and practical examination

Viva voce

Laboratory record book (Journals)

Choice based credit system; grading / marking:

Not implemented

Summative (theory / orals / clinical / practical):

University examination is the final summative examination at the end of each academic year. It includes Theory, Practical, Oral examination and Clinical examination.

Theory:Structure and setting of question papers is based on Essays, long answers, shorts answers and MCQs etc.

Questions bank and Key answers: Every department has set of previous years question papers forming the question bank.

Structured long and short questions are given in formative assessment to increase the application the clinical knowledge.

Any other:

- Students appear in part ending tests which motivate them to perform better and increase confidence in them. It is an experience that helps reduce the examination stress as students get used to the situation. These tests help the student to identify their weak area of learning and help the faculty to undertake specific measures as conducting extra classes in that topic or focusing on the students.
- Ward-ending exams are also conducted by clinical departments with same objective.
- Strict vigilance on attendance is kept, attendance registers are checked regularly, and students who are falling short in attendance are contacted personally and if necessary, their parents are also informed.

2.5.12 Describe the methods of prevention of malpractice, and mention the number of cases reported and how are they dealt with?

- CCTV surveillance during exams
- Squad is appointed by the university to monitor the examination process
- Institute strictly follows University guidelines
- No cases of malpractice has been reported

2.6 Student Performance and Learning Outcomes

2.6.1 Has the institution articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?

Yes, the institution has articulated its Graduate Attributes through all its academic outputs which are as follows:

- Adequate knowledge about the medical conditions and its management
- Critical appraisal/thinking and skill
- Patient centred care
- Self-directed life - long learning
- Practice safely, collaboratively and ethically
- Communication, Interpersonal and diagnostic skill
- Competent application of knowledge
- Using different modalities of treatment and utilities for improving patient care.
- Understanding social, cultural, global and environmental responsibilities:
 - Formative assessment helps to evaluate the attributes of the graduates.
 - Regular feed-back helps to monitor the attributes of the graduate.

2.6.2 Does the institution have clearly stated learning outcomes for its academic programs/departments? If yes, give details on how the students and staff are made aware of these?

- The learning outcomes for each academic program- UG MBBS and PG in each specialty are clearly stated. The teaching program is based on these parameters in each department/subject.
- The Faculty is sensitized about the learning outcomes in the department by the HOD and during the MET workshop.
- The students are informed about them by faculty during the orientation program and the importance of learning objectives of respective subjects during departmental teaching.

- The teaching program, curriculum and content delivery are designed accordingly for comprehensive internal and external assessment so that desired skills and values that are needed to the learner and society are developed.

2.6.3 How are the institution's teaching-learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?

- Annual teaching learning program is designed based on the specific learning objectives of each department.
- The academic calendar includes the annual schedule for teaching learning and evaluation structure
- Hands-on practice to transfer theoretical knowledge into practical skill
- Seminars and workshops to enhance practical knowledge
- Assignments in each subject to inculcate the habit of reading books and collecting study materials.
- Presentation of students in certain departments
- It is implemented by all the departments.
- Regular feedback and updates from the stake holders
- Formative assessment and improvement in teaching pattern according to the feedbacks are done to increase learning outcomes.

2.6.4 How does the institution ensure that the stated learning outcomes have been achieved?

- The institution ensures that the intended learning outcomes have been achieved by adhering to the guidelines laid down by the universities.
- Formative and summative assessments are effective indicators for the performance of students learning.
- Feedback from students are taken and analyzed to improve learning outcomes

Any other information regarding Teaching-learning and Evaluation which the institution would like to include

The Institution is dedicated for providing a good Teaching and Learning environment to the students and faculty. It ensures that the stakeholder i.e. students and their parents are satisfied. The faculty undertakes specific measures to share the information with other departments for close monitoring.

CRITERION-III

RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Is there an Institutional Research Committee which monitors and addresses issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

Yes, the institution have research centre recognized by MCI, state and national government.

We have various committees which monitor and address issues related to research-

- Scientific Evaluation committee (SEC)
- Institutional ethical committee
- Institutional Animal Ethical Committee

The college has a Scientific Evaluation committee (SEC), the single window monitoring body for all the research. This committee looks after the scientific basis of the research project and provide an approval to the projects, which are exempted from review of Institutional Ethical Committee, with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).

The proposal (if involves human studies) approved by Scientific Evaluation Committee is submitted to the IEC of the institute for granting ethical approval.

The composition of Scientific Evaluation Committee is as follow:

Chairman: Dr.V.K.Arora, Professor & Head, Community Medicine

Secretary: Dr. Suraj Tripathi, Professor of Pharmacology

Members:

- Dr. S. Narang, Professor of Pathology
- Dr. Meena Bhargav, Professor of Obst & Gynec.
- Dr. S.M.Holkar, Professor & Head, Medicine
- Dr. Mustafa, Professor of Orthopedics
- Dr.Swati Prashant, Professor & Head, Pediatrics

Institutional ethical committee

S.No.	Name	Designation
1	Dr. D.K.Taneja	Chairperson
2	Dr. G.S.Agnihotri	Dean, Co-chairperson
3	Dr. Prem Nyati	Member : Pharmacologist
4	Dr.S.K.Nema	Member : Basic Scientist
5	Dr.V.K.Arora	Member : Public health, epidemiologist
6	Dr.G.V.Vivekanandan	Member : Clinician
7	Dr.(Mrs.) Rajni Bhandari	Member : Social worker
8	Dr.P.S.Chouhan	Member : Legal expert
9	Mr.Kamalsingh Thakur	Member : Legal expert
10	Mr. Dhan Singh Patel	Member : Lay person
11	Dr. Rahul Tanwani	Member Secretary

Central animal house is available as per CPCSEA guidelines that follow the norms with prior approval of Animal Ethical Committee.

S.No.	Name of the IAEC member	Designation
1	Dr.Prem Narayan Nyati	Biological Scientist
2	Dr. Sanjeev Narang	Scientist from Different discipline
3	Dr.Prashant Peshattiwar	Scientist from Different discipline
4	Dr.Ashish Jain	Veterinarian
5	Dr.Suraj Tripathi	Scientist in charge of the animal house facility
6	Mr. Dhan Singh Chauhan	Non-scientific socially aware member
7	Dr. Rajendra Sheorey	Nominee of CPCSEA

Few recommendations made by IEC for implementation during its meeting held on 21/2/15 are:

- Dr. Rahul Kumar (Anesthesia),Dr.Abhilash Shishodiya (Orthopedics), Dr. Vivek Patel(Orthopedics) and Dr. Viral Patel (Orthopedics) were advised to modify the title of their dissertation topics

- Dr. Priyanka Pandey (Gynecology) was advised to add ‘disclaimer’ regarding no involvement of any specific pharmaceutical company with her research project.
- Dr. Rahul Kumar (Anesthesia), Dr Saroop Kaur (Anesthesia) and Dr. Prabha Khatri (Anesthesia) were advised to emphasize upon reviewing of literature related to their research topics.
- Dr. Piyush Rajesh (Orthopedics) was advised to be more specific in concern with the endpoint and evaluation methods for comparison of various treatment modalities for metacarpal fractures.
- Dr. Viral Patel (Orthopedics) was advised to be more specific with the ‘informed consent’

Impact of the recommendation of Research Committee:

- It improves the methodology of research and aptitude.
- It provides a guided shelter to the researchers so that they feel free to utilize the infrastructure and support of technology and man power
- It provides safety to the researchers on the legal issues associated with the research work.

3.1.2 Does the institution have an institutional ethics committee to monitor matters related to the ethics of inclusion of humans and animals in research?

The institute also has an Institutional Ethics Committee (IEC) as per guidelines of ICMR and ICH/GCP, which is registered under Rule 122DD of the Drugs & Cosmetics Rules 1945 by Central Drug Standard Control Organization (CDSCO) on **16.02.2015**. Registration number of committee is **ECR/708/Inst/MP/2015**.

IEC review all research proposals involving human subjects to be conducted at the Institute, with a view to safeguard the dignity, rights, safety and well being of all actual and potential research participants. The IEC provides a multidisciplinary forum for the analysis and discussion of guidelines, regulatory laws and cardinal principles of research ethics, viz. autonomy, beneficence, non- malfeasance and Justice to ensures that these are adhered in planning, conducting and reporting of proposed research through the Committee’s advisory, educational, policy development, and service functions.

IEC conduct activities in accordance with the Clinical Research in India by Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).

The committee holds its meetings in college regularly, mainly for the approval

of dissertation topics of postgraduate students and of research projects of faculty members, as and when required. A tentative schedule of its meeting is included in the academic calendar of events. The list of members is given above.

3.1.3 What is the policy of the university to promote research in its affiliated / constituent colleges?

Not applicable

3.1.4 What are the proactive mechanisms adopted by the institution to facilitate the smooth implementation of research schemes/projects?

a. Externally funded projects (both government and private agencies):

- * advancing funds for sanctioned projects.
- * providing seed money.
- * simplification of procedures related to sanctions / purchases to be made by the investigators.
- * autonomy to the principal investigator/coordinator for utilizing overhead charges.
- * timely release of grants.
- * timely auditing.
- * submission of utilization certificate to the funding authorities.
- * writing proposals for funding.
- * any training given for writing proposals.

There are no externally funded projects ongoing at the present

b. Institution sponsored projects :

- * Proportion of funds dedicated for research in the annual budget.
- * Availability of funding for research /training/resources.
- * Availability of access to online data bases.

Funds dedication depends on the project. The Institution provides the adequate funds as well as infrastructure facilities for research projects. Online access to data bases is made available.

The **investigator** has autonomy to plan and to utilize the resources.

3.1.5 How is multidisciplinary / interdisciplinary / transdisciplinary research promoted within the institution?

- * between/among different departments / and
- * collaboration with national/international institutes / industries.

The College has **Scientific Evaluation Committee (SEC)**, which is the single

window monitoring body for all research in which multidisciplinary, interdisciplinary and trans-disciplinary research is promoted. All research proposals are to be submitted to SEC cell, which are then scrutinized for study design and sample size and sampling. The projects are then submitted to the Institutional Ethics Committee (IEC) for consideration of the Ethical issue and final approval.

Every department encourages students for undertaking inter-disciplinary project.

Integrated lecture series is regularly arranged from the authority of the institute and outside the institute which is of great help in all round development of the medical students and faculty.

Integrated lectures: In house Speaker Series

S. No.	Date	Speaker	Topic
1	4/12/14	Prof. Dr. H. N. Dabi (Prof. Dept. of PSM IMCHRC Indore)	Ebola virus infection
2	29/1/15	Dr. Khyati Wadhava (S.R. Dept. Of Psychiatry IMCHRC Indore)	Stress & Burnout Among Doctors
3	6/2/15	Dr. Janet Suire	Palliative care
4	16/2/15	Prof. Dr. V.K. Arora (Prof. & Head, Dept. of PSM IMCHRC Indore)	Swine Flu
5	26/2/15	Dr. Abhyudav Verma	Insulin use in non ICU hospitalized patients
6	1/3/15	Dr. Abhay Manchanda (Asso. Prof., Dept. of Orthopedics IMCHRC Indore)	Limb Salvage surgery in Osteogenic sarcoma femur & mega prosthesis insertion
7	10/4/15	Dr. Pravir Bodkha (Prof. & Head Dept. Of FMT IMCHRC Indore)	Medicolegal cases report
8	25/5/15	Dr. Prem Nyati MD (Professor & Head dept. of Pharmacology)	Rational use of antibiotics
9	25/6/15	Dr. Prashant Joshi M.D. D.N.B. (Prof. Dept. of Medicine – Neuro Physician IMCHRC Indore)	Headache-an overview

S. No.	Date	Speaker	Topic
10	17/7/15	PG Resident - Dr. Nagesh Doharey & Discussed by Dr. Swati Prashant (Prof. & Head Dept. of pediatrics) PG Resident -Dr. Vishal Mulchandani / Dr. Anju Dhiman & discussed by Dr. Pramod Sakhi (Prof. & Head-dept. of Radiology) PG Resident -Dr. Saroop Kaur & discussed by Dr. A. Nayyar (Senior Anesthetist – Dept. of Anesthesia) PG Resident -Dr. Rahul jain & discussed by Dr. Mayur Maheshwari (Asso. Prof. Dept. of Surgery)	Case of Esophageal Tracheal Fistula
11	31/7/15	Prof. Dr. Prem Nyati, (Vice Dean – IMCHRC Indore. Professor & Head dept. of Pharmacology) Prof. Dr. Suraj Tripathi (Prof., Dept. of Pharmacology IMCHRC Indore) Dr. Jay Shah (Assistant Prof., Dept. of Pharmacology IMCHRC Indore) Dr. Poonam Patel (Assistant Prof., Dept. of Pharmacology IMCHRC Indore)	An evaluation survey of understanding of antibiotic amongst interns an post graduates Residents
12	14/8/15	Dr. SwatiRaipurkar (Prof. & Head Dept. of Pediatrics IMCHRC Indore)	ADR in Children
13	10/9/15	Dr. Ashutosh Singh (Asst. Professor, Dept. of Psychiatry IMCHRC Indore)	Suicide Prevention
14	7/10/15	Dr. Abhyudaya Verma (Assistant Professor and Endocrinologist dept. of Medicine IMCHRC Indore)	Live webcast – The benefit of Ambulatory glucose profile (by new device) to control fluctuating glucose levels
15	30/11/15	Dr. Parth Pandeya, Dr. Nelson Ghosh, Guide: Dr. Pankaj Kumar (Assistant Professordept. of Medicine IMCHRC Indore)	An Interesting patient presenting involuntary movements ofright upper limb
16	10/12/15	Dr. Dilip Kothari (Consultant,	Liver Transplant and its

S. No.	Date	Speaker	Topic
		Gastrointestinal Surgeon, GI Cancer Surgeon, Laparoscopic & Bariatric Surgeon)	prospectus
17	10/12/15	Dr. Prakash Chhajlani (Associate Professor dept. of Surgery IMCHRC Indore)	Magic of plastic Surgery
18	17/12/15	Dr. Amritesh Ranjan, Guide: Dr. Swati Prashant (Professor & HOD dept. of Pediatric IMCHRC Indore)	An Unusual case of PUO with pancytopenia
19	29/12/15	Dr. Abhay Manchanda (Associate Professor and Incharge, Ortho Oncology cell at (IMCHRC)	Bone Cancer – Say no to amputation go for limb salvage
20	7/1/16	Dr. Arnab Nandi, Guide: Dr. Tulika Joshi (Asst. Professor, Dept. of OBS & Gyn IMCHRC Indore)	Abnormal Pregnancy – A case of Hydatidiform mole with hypovolemic shock
21	14/1/16	Dr. Deepak Nagar (Asst. Professor, Dept. of TB & Chest IMCHRC Indore)	Recent Advances in Chronic Obstructive Pulmonary Disease
22	21/1/16	Dr. Yogesh Tilkar (Asst. Professor, Dept. of Anesthesiology IMCHRC Indore)	Pain
23	4/2/16	<ol style="list-style-type: none"> 1. Dr. Etta Praneeth Guide: Dr. Ajay Joshi Professor Dept. Of Surgery (IMCHRC) 2. Dr. Astha Bansal, Dr, Babeena singh, Guide: Dr. Pankaj Kumar Asso. Professor Dept. Of Medicine (IMCHRC) 3. Dr. Noor Arshad, Dr. Johney Juneja, Guide: Dr. R.S. Saluja, Dr. Mustafa Johar prof. & HOD Dept. of Orthopedics (IMCHRC) 	<ol style="list-style-type: none"> 1. Case of presentation – Surgery Stomach Volvulus rectal Perforation 2. Case of Presentation – Medicine a case of Williams Syndrome Diagnosis RHD with moderate MS with AF 3. Case presentation – Orthopedics non Union of Tibia Enchondroma Phalanx
24	6/6/16	1. Dr. Avinash Balaraj, P.G., Medicine, moderator Dr. Bushra	1. “Disseminated Intravascular

S. No.	Date	Speaker	Topic
		Khanam (asst. Prof.) 2. Dr. Rohini Chouhan, P.G., dermatology; moderator Dr. Brig. Sanjeev Vaishampayan (Professor of Skin& VD)	Coagulation” 2. “A case Of Photosensitive Disorder in a teenager”
25	13/6/16	1. Dr. E. Praneeth, P.G., Surgery: moderator Dr. Ajay Joshi (Professor) 2. Dr. Rahul Jain P.G., Surgery: moderator Dr. Ajay Joshi (Professor)	1. “Complication of large renal calculus” 2. “Repair of large incisional hernia”
26	20/6/16	1. Dr. Smriti Singhal,P.G., Obs/Gyne;moderator,Dr. Meena Bhargava (Professor) 2. Dr. Meena Bhargava (Professor Obst & Gynec)	1. “Introduction & case presentation on Labour dystocia” 2. “Revised surgical management of complication in emergence LSCS”
27	28/6/16	1. Dr. Parikshit Sharma(Professor, Skin & V.D.) &Dr. sanjeev Vaishampayan (professor & Head Skin & V.D.) 2. Dr. H.M. Dabhi (Professor. of PSM)	1. “Presentation on vitiligo- on occasion of international vitiligo Day” 2. “Heat Stress Indices”
28	12/7/16	1. Dr. Nagesh Chandra, P.G.Paediatrics; moderator Dr. Anjali Bharani (Assistant Prof) 2. Dr.Randheer Khurana P.G.Paediatrics; moderator Dr. Mohini Harshey(Asso. Prof., Dept. of Pediatrics)	1. “Unusual presentation of an unusual tumor” 2. “Interesting case of lower limb weakness”
29	19/7/16	Dr. Rahul Tanwani, Asst.Professor Surgery	“Communication skills during Post-graduation”
30	26/7/16	Dr. Ankit Chellani P.G.Medicine; moderator Dr. Abhyudaya Verma	“Unusual Presentations of thyroid Disorders”

S. No.	Date	Speaker	Topic
		(Associate Prof.)	
31	2/8/16	1. Dr. Brijesh Viroja P.G.Anesthesia; moderator Dr. K.K. Khan (Prof. & Head, of Anesthesia) 2. Dr. Neha Singh P.G.Anesthesia; moderator Dr. K.K. Khan (Prof. & Head, of Anesthesia)	1. “Anesthetic management of case of Oesophageo-pleural fistula” 2. “Anesthetic management of case of MI with LBBB & with EF 30% Hemiglossectomy & Left side Neck dissection”
33	11/8/16	Dr. Hitesh Parmar, P.G. ; moderator Dr. Deepti Gupta (Assistant Professor, dept. of Obst/Gynec)	1. “Minimal Invasive fetal surgery (MIFS) recent advance” 2. “case report:- Chronic Ectopic Pregnancy Diagnosis and Management“

3.1.6. Give details of workshops/ training programs/ sensitization programs conducted by the institution to promote a research culture in the institution.

Integrated lecture series is regularly arranged from the authority of the institute and outside the institute which is of great help in all round development of the medical students and faculty.

The Institute extends financial assistance to all the departments to organize Workshops/training programs and also encourages collaborating with other Institutes and Organizations for Technical collaboration. The objectives are:

- To help the students to get knowledge outside their academic syllabus.
- To provide an opportunity to interact with experts in the concerned field.
- To identify the prime areas of research.
- To get hands on training in the techniques.

Details of Educational CME, workshop and conferences:

13th & 14th May 2016: A two days' training program on 'Quality Management Systems and implementation of NABH Standard' was organized in collaboration with Quality Council of India. 22 faculty & postgraduates successfully completed the training program.

9th Aug 2015: Co-Organized "Dr. J N Monga oration and a regional CME 2015".

22nd Nov 2015: Co-Organized "Hands on Workshop on PCR & RT PCR 2015" at MGM Medical College, Indore.

22nd August 2015: Co-organized "Relevance of diagnosis" CME in Dental Science

7th & 8th Feb. 2015: A two days conference 'MPCTOCON' was organized under the aegis of Indian Academy of Cytologist (M.P.Chapter). This educational conference was focused on role of cytology in the early diagnosis and management of diseases with the participation of the speakers and delegates from different part of the country.

A National workshop, STORM (Symposium and training workshop on Research Methodology) was organized on February 22nd & 23rd, 2014 for the faculty and postgraduates. It was attended by 93 delegates from different part of the country. **It was provided 4 Credit hours** from Madhya Pradesh Medical Council.

A two days basic workshop on '**Conduct of Clinical Trials & Good Clinical Practice**' was conducted on 13th & 14th Oct. 2014 in collaboration with Kolkata School of Tropical Medicine

An independent basic course workshop on Medical Education Technology was held on 16th, 17th and 18th January 2013 under supervision of **MCI regional Centre for Medical Education Technologies as per directions and approval of MCI. 20 faculty members attended the workshop.**

A workshop on "**Pharmacovigilance- Practice and Prospects**" in joint collaboration with **Pragma Vigilance consulting, Zurich, Switzerland** was **organized from** July 1 to 3, 2013. The workshop was attended by 75 delegates from 25 institutes of the country as well as abroad. **It was provided 6 Credit hours** from Madhya Pradesh Medical Council.

3.1.7. How does the institution facilitate researchers of eminence to visit the campus? What is the impact of such efforts on the research activities of the institution?

Nationally and Internationally eminent researchers are visiting the campus as participants and resource faculty in various workshops, CMEs and conferences held in the institute.

The T.A., D.A. and local hospitality of their visits are borne by the institute.

List of Guest speakers who have recently visited the institution is given below

Integrated lectures: Guest Speaker Series

Date	Speaker	Topic
24/2/15	Prof. Dr. Ganni Bhaskara Rao (President of all India Private Medical College Association & Chairman of GSL Medi. Coll. In Rajamundry, (A.P.)	Role of simulation in Medical Education
23/4/15	Dr. P. Jamjute M.S. MRCOG (Consultants Urogynaecologist. NHSU U. K.)	Update in urogynaecology
2/5/15	Prof. Dr. D.K. Taneja M.S. (formerly Dean & Prof. Emeritus Orthopedics MGM Medical College, Indore	Orientation for Post Graduate residents towards becoming a good doctor
11/5/15	Prof. Dr. B.R. Parekh MCh (formerly Prof. & Head Dept. of Paediatric Surgery MGM Medical College, Indore	Spectrum of Pediatric surgical disorders
3/6/15	Dr. Anil Singhavi M.D. (Consultant Haematologist)	Recent advances in sickle cell disease treatment
11/6/15	Dr. Idris Khan M.D. D.M. (Consultant Cardiologist, Bombay Hospital, Indore	Recent advance in Cardiology
18/6/15	Dr. Rajneesh Kachara M.S. M.Ch, Director institute of neuro sciences madanta super specialty Hospital Indore	Success stories of surgical treatment of brain tumors
2/7/15	Dr. Niraj Jain M.D. D.M. (Consultant Gastro enterologist, CHL Hospital)	Hepatitis-B an update

Date	Speaker	Topic
10/7/15	Dr. Sandeep saxena M.D. D.M. (Nephrologist, Apollo Hospital Indore)	Chronic kidney disease management an update
23/7/15	Prof.Dr. Brajendra Baser M.S., AIIMS (E.N.T. Consultant)	Current trends in ENT practice
8/8/15	Prof. Dr. P.C. Manoria Director Manoria Heart Care & Intervention Center, Bhopal (M.P.)	ST Elevation Myocardial infarction
21/8/15	Prof. Dr. Saurabh Malviya M.D. (HOD-Dept. of Rheumatology, Medanta Hospital, Indore)	“Arthritis – Myths & Pearls”
3/9/15	Dr. Prashant Bhartiya (corneal TransplantSurgery) M.D. (AIIMS) D.N.B., FRCS (U.K.)	“Current scenario in Corneal Surgery”
25/8/15	Dr. Sudhir Soni Medical Officer Polio Surv. Projects (Govt. Of India & W.H.O.)	AFP/Measles/Adverse events following Immunization
1/12/15	Dr. Piyush Gupta, Ohio, USA	Inner Healing
28/1/16	Dr.Bhagyesh Pore, Eye,Orbit, Oculoplasty & oncosurgeon; Shakuntla Netralaya, Indore	Orbit & Oculoplasty surgical overview
11/2/16	Dr Prakash G. Chitalkar, Professor of Medical oncology, SAIMS, Indore	Hopeful Oncology- the emergence of young adult cancer medicine
18/2/16	Dr.Shrikant Fatak, HOD, ENT, Choithram Hospital, Indore	Human voice & voice disorders
9/8/16	B.K.Vika Bahen, Prajapita Bramhakumaries Ishwariya Vishwavidhyalaya	Spirituality and Health care

Impact of such efforts on the research activities of the institution:

Research Design planning is facilitated by the ideas generated by the special series of the lecture by the eminent authorities of different institutes. It also provides an opportunity to interact with the dignitaries of various subject to resolve the doubt on the subject matter.

3.1.8. What percentage of the total budget is earmarked for research ? Give details of heads of expenditure, financial allocation and actual utilization.

A significant budget is normally allotted towards research activity every year.

The Institute also provides budget for advance software package, equipments and chemicals necessary to carryout research projects.

Text books, reference books and hand books related to advanced topics are also added to the Institute library for the use to the faculty and students to carry out their research activity. Financial incentives are also provided for the research paper publication.

3.1.9. In its budget, does the university earmark fund for promoting research in its affiliated colleges? If yes, provide details.

Not Applicable

3.1.10. Does the institution encourage research by awarding Postdoctoral Fellowships/Research Associate ships? If yes, provide details like number of students registered, funding by the institution and other sources.

Not as yet, most clinical departments PG Degree are recognized by MCI within 3 years during their first examinations and a few departments are still in the process. The institute will plan for postdoctoral fellowships and research associate ship in future.

3.1.11. What percentages of faculty have utilized facilities like sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the institution monitor the output of these scholars? Not Applicable

3.1.12. Provide details of national and international conferences organized by the institution highlighting the names of eminent scientists/scholars who participated in these events.

List of conferences/ workshop organized/co-organized with the eminent scientists as Facilitator/participants

Date	Name of the Event	Eminent scientist Contributed as facilitator
13th & 14th May 2016	Quality Management Systems and implementation of NABH	Dr.Amit Tomer, GM from Consortium of Accrediated Healthcare organizations

Date	Name of the Event	Eminent scientist Contributed as facilitator
	Standard	
9 th Aug 2015	Dr. J N Mongaoration and regional CME 2015	Dr.Sukesh Nair, CMC Vellore Dr. Deepti Joshi, AIIMS, Bhopal Dr. Manisha Shrivastava, BMHRC, Bhopal
22 Nov 2015	Hands on Workshop on PCR & RT PCR 2015	Dr.Shikha Ghanghoriya,MGM, Indore Dr.Panchoniya, MGM, Indore
7 th & 8 th Feb. 2015	MPCYTOCON 2015	Dr. Archana Deshpande (Nagpur Medical College M.H), Dr. Supreya (GMC Nagpur M.H) Dr. U.S. Dinesh (Sattur, Dharwad Karnataka) Dr. Atul Gupta (S.N Medical College Agra) Dr. Rajesh Mundhe (Prince Aly Khan Hospital, Mumbai M.H) Dr. Reena Bharadwaj (AFMC, Pune M.H) Dr. Archana Deshpande (Nagpur Medical College M.H) Dr. Sneha Hingway (GMCNagpur M.H) Dr. Rasika Gadkri (Ambajogai, Beed, M.H) Dr. Sharad Jain (NSCB Medical College Jabalpur M.P)
February 22 nd & 23 rd , 2014	STORM (Symposium and training workshop on Research Methodology)	Dr. Abdul Hamid Zargar (EC member of MCI and Ex director of AIIMS, New Delhi) Dr. Babulal Verma, Ex regional co-ordinator of International Epidemiological Association

Date	Name of the Event	Eminent scientist Contributed as facilitator
		<p>Dr. Anant Bhan (Researcher, Bioethics and global Health, Pune)</p> <p>Dr. Bhavna Dhingra (Asst. Professor, Pediatrics AIIMS Bhopal)</p> <p>MS. Vasumathi Sriganesh (Quality Medical Knowledge foundation, Mumbai)</p> <p>MS. Lakshmi Padmanabhan (Quality Medical Knowledge foundation, Mumbai)</p> <p>Dr. Sumit Malhotra (Assistant Professor Community Ophthalmology AIIMS New Delhi)</p> <p>MR. Richard Kirubakaran (Biostatistician CMC Vellore)</p> <p>Dr. Puneet Gupta (Assistant Professor, Comm Dent, Govt College of Dent. Indore)</p>
13 th & 14 th Oct. 2014	Conduct of Clinical Trials & Good Clinical Practice	<p>Dr.Santanu Tripathi, Professor & Head, Pharmacology, Calcutta School of Tropical Medicine</p> <p>Dr. Sukanta Sen, Calcutta School of Tropical Medicine</p>
16th, 17th and 18th January 2013	Basic course workshop on Medical Education Technology	Dr. Mrs. R.Thakur, SAIMS Indore as observer from MCI regional centre MET
July 1 to 3, 2013	Pharmacovigilance- Practice and Prospects	<p>Dr. Sudhir Bansod, Pragma Vigilance consulting, Zurich, Switzerland</p> <p>Dr. Santanu Tripathi, Professor & Head, Dept of Clinical & Expt. Pharmacology, CSTM,</p>

Date	Name of the Event	Eminent scientist Contributed as facilitator
		Kolkata Dr. S.P. Dhaneria, Professor & Head, Dept of Pharmacology, AIIMS, Raipur Dr. Prem Nyati, Professor of Pharmacology, Index Medical College, Indore Dr. Sachin Kuchya, Associate Prof., of Pharmacology, Jabalpur Dr Sukanta Sen, CSTM, Kolkata

3.1.13. Mention the initiatives of the institution to facilitate a research culture in the below mentioned areas:

- * **Training in research methodology, research ethics and biostatistics:** Basic Workshop in Research methodology for faculty and student are organized.
- * **Development of scientific temperament:** The college takes keen interest in the development of scientific temperament amongst its students. There is constant encouragement to UG and PG students and the faculty to take up research projects in areas of their interest.
- * **Presence of Medical / Bio Ethics Committee:** We have functional Institutional Ethics committee and Scientific Evaluation Committee to guide on ethical issues.
- * **Research linkages with other institutions, universities and centers of excellence. (National and international).**

Our institute has research linkage with other institutions like-

- Govt. Model Autonomous Holkar Science College, Indore (M.P.) for research work,
- Bombay Hospital, Indore for the training of basic sciences to DNB students
- Indian Institute of Head & neck oncology, Indore at Rau for radiotherapy

- Central Lab-Oncequest Laboratories Ltd., Indore for the laboratory work
 - Lal Pathology Labs, Indore. for the laboratory work
- * **Research programs in Basic Sciences, Clinical, Operational Research, Epidemiology, Health Economics, etc. :** Research is being carried out in basic medical sciences of Anatomy, Physiology, biochemistry and a number of papers have been published. The community medicine department is involved in studies on epidemiology, while the clinical departments are actively involved in clinical research.
- * **Promotional avenues for multi-disciplinary, inter-disciplinary research:** The institutional scientific review committee bridges the gaps and promotes interdisciplinary/ multidisciplinary research. Many publications have been done based on this type of research.
- * **Promotional avenues for translational research:** All research in medical college is aimed for benefit to community and therefore qualifies for translational type of research.
- * **Instilling a culture of research among undergraduate students:** UG students are sensitized about research from the beginning and made to participate in basic research activities like assisting in data collection and data compiling. The Institute encourages students to develop research aptitude by giving them the freedom to work on the topics of their interest. They are encouraged to attend State level, Zonal Level and National seminar & conferences.
- * **Publication-based promotion/incentives:** The institution has a policy of promotion only on the basis of Publications in Indexed Journals after the minimum experience is completed in 100% of cases.

The institution promotes and recognizes the faculty by providing support in terms of leave and monetary reimbursement (registration fee, TA and DA) to the faculty presenting scientific papers at conferences. Also encourages the participation in conferences by providing special leave and cash incentive for publication in national and international peer reviewed journals.

List of Faculty who received Academic cash incentive for original research article publication in Indexed National/International Journals

Sr. No.	Name of Title	Author
01	Estimation of stature from head length, in International Journal of Medical Science Research & Practice	Dr. R.S. Chourasia Dr. A. Bamne
02	Sexual Behaviour among migrant construction workers in Indore, in International Journal of Medical Sciences & Public Health	Dr. V.K.Arora Dr. S. Sharma
03	Evaluation of Intervention on voluntary Blood Donation Among 1 st prof Medical & Dental Students of Index Medical College, Indore, in National Journal of Community Medicine	Dr. Abhishek Bachhotiya Dr. V.K.Arora
04	Prevalence of anaemia & its socio-demographic determinants in pregnant women: A cross sectional study in tertiary health care setup in central India, in National Journal of Community Medicine	Dr. Piyusha Mahashabde Dr. V.K.Arora
05	Evaluation of Antenatal checkup practices observed among beneficiaries & non beneficiaries under JSY scheme in Indore, in National Journal of Community Medicine	Dr. Shireen Sharma Dr. V.K. Arora
06	Association between Blood Urea Level & Serum Creatinine levels in Renal Insufficiency Subjects, in Earth Journals International Journal of Medical & Applied Sciences	Dr. Nitu omprakash Sharma
07	Alveolar Rhabdomyosarcoma in children with histomorphological review, in International Journal of Research in Medical Sciences	Dr. S.K. Nema Dr. Arjun Singh
08	A cross sectional study to determine the tobacco use pattern among school children in central India	Dr. Aarti Sahasrabuddhe
09	Study of oxidative stress in essential hypertension	Dr. B.K.Agarwal
10	Dyslipidemia in patients of Psoriasis	Dr. B.K.Agarwal
11	Estimation of stature from head length in living adults in Marathwada region of Maharashtra	Dr. Anjali Prasad
12	Otitis media: A prospective study in central India	Dr. H.S.Sharma
13	Ultrasonographic evaluation of vaginal bleeding in	Dr. K. Julka

Sr. No.	Name of Title	Author
	first trimester of pregnancy	
14	Primary dysmenorrhea and its effect on quality of life in young girls	Dr. Tulika Joshi
15	Study of nerve conduction velocity in median nerve of healthy male and female of different age groups	Dr. Abhishek Kumar
16	Adenocarcinoma: Morphological & Topographical Spectrum: a two year analysis	Dr. S. Narang
17	Comparison of effect of Yoga on Fasting Blood Sugar level, Lipid Profile and Blood Pressure in Diabetes Patient with addiction and without addiction	Dr. Suman Rai
18	Status of Blood Lipid Profile in Chronic Renal Failure Patient in pre and post hemodialysis subjects	Dr. Deepti Agnihotri
19	Study of Nerve Conduction Velocity in Tibial Nerve of Healthy Male and Female of Different Age Groups	Dr. Abhishek Kumar
20	Role of High Resolution Sonography in characterization of solid salivary gland tumors	Dr. Sheetal Singh
21	Bone turnover markers in women can predict low bone mineral density	Dr. B.K. Agrawal
22	C-Reactive Protein: A Marker in Deciding Duration of Antibiotic Therapy in Neonatal Septicemia	Dr. Neelesh Chavan
23	Study of Baseline Widal Titre Amongst Healthy Individuals in and around Indore, India	Dr. Shrikant Kogekar
24	High Level of MRSA Colonization in Health Care Worker: Alarm to Implement Health Care Policy	Dr. Khyati Jain
25	Determining Inducible Clindamycin Resistance in Staphylococcus Aureus from Various Clinical Samples by D-Zone Test with Special Reference to MRSA	Dr. Neelesh Chavan
26	Evaluation of Morbidity and Mortality Associated with Atrial Fibrillation	Dr. Prasanna Yadav
27	Role of High Resolution Sonography in Differentiating Benign and Malignant Nodules of Thyroid	Dr. Sheetal Singh
28	Study on chloramphenicol resistance pattern in Central India, Indore	Dr. Suraj Tripathi

Sr. No.	Name of Title	Author
29	Pre-hypertension and Hypertension and its determinants among school adolescents of Rural area of Indore- A Cross Sectional Study	Dr. Jayashri Bute
30	Menstrual characteristics and prevalence of dysmenorrhea in college going girls	Dr. Moolraj Kural
31	Study of maternal determinants influencing birth weight of newborn	Dr. Naziya Noor
32	A Cross-sectional Assessment of Knowledge of ASHA Workers	Dr. Sangeeta Kori
33	Differentiation of Benign Breast Lesions by Ultra Sonography to Defer Biopsy	Dr. Amlendu Nagar
34	Comparison between student scores in multiple choice questions and structured essay questions	Dr. H.S. Sharma Dr. M. M. Mutalik
35	Estimation of stature from head length in living adults in Marathwada region of Maharashtra	Dr. Anjali Prasad Dr. V.B. Bhargav Dr. Abhishek Kumar Dr. D S Joshi
36	Otitis media: A prospective study in central India	Dr. T. L. Patel Dr. H.S. Sharma
37	Study of nerve conduction velocity in median nerve of healthy male and female of different age groups	Dr. Abhishek Kumar Dr. F. Roohi Dr. Anjali Prasad
38	Primary dysmenorrhea and its effect on quality of life in young girls	Dr. Tulika Joshi Dr. M.R. Kural
39	A cross-sectional Study of Anxiety and Depression Among Doctors in a Medical College in Central India	Dr. Abhishek Bachhotiya
40	Role of Echocardiography in Acute Rheumatic Fever Compared with Jones Criteria	Dr. Manuj Kumar Sarkar
41	An evaluation of Histopathological finding of biopsies in various skin disorders	Dr. Sanjeev Narang
42	Prevalence of Vertigo in different age groups and	Dr. Sanjay

Sr. No.	Name of Title	Author
	common butterfly patterns in Electronystagmography in Central India: A retrospective study	Kumar Gupta
43	Evaluation of Antenatal Checkup Practices among Beneficiaries & Non beneficiaries under Janani Suraksha Yojana Scheme in Indore, India	Dr. V.K. Arora

- * **Providing travel grant for attending national/international conference and workshops:** Travel grants as well as special leave are sanctioned on case to case basis.

3.1.14 Does the institution facilitate

- * **R&D for capacity building and analytical skills in product development like diagnostic kits, biomedical products, etc. for the national / international market:** Research in this field is promoted.
- * **Development of entrepreneur skills in health care:** The UG and PG students are trained in such a way that they can be an independent practitioners in their chosen specialty and most PG students are attached to good institutes or having their own clinic and hospital, doing well as entrepreneurs.
- * **Taking leadership role for stem cell research, organ transplantation and harvesting, Biotechnology, Medical Informatics, Genomics, Proteomics, Cellular and Molecular Biology, Nanoscience, etc.**
 - For organ transplantation the Medical College Eye Bank is recognized by Human Organ Transplant Act (HOTA)
 - Medical informatics is used extensively in the areas of nursing, clinical care, pharmacy and public health.
 - Facilities for stem cell research, Biotechnology research is available
 - Facilities for Nanoscience is not available
 - Update about current research and knowledge to UG and PG students are given in the fields of Genomics, Proteomics, Cellular and Molecular Biology, Nanoscience, etc. but limitations on research facilities exist

3.1.15 Are students encouraged to conduct any experimental research in Yoga and / or Naturopathy? Yes. The students are encouraged to take part in experimental research in Yoga. The Physiology Dept. is planning a few projects on yoga.

3.2 Resource Mobilization for Research

3.2.1 How many departments of the institution have been recognized for their research activities by national / international agencies (ICMR, DST, DBT, WHO, UNESCO, AYUSH, CSIR, AICTE, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.

Till date the institute is not recognized for research activities by national and international bodies mentioned above.

3.2.2 Provide the following details of ongoing research projects of faculty:

	Year wise	Number	Name of the project	Name of the funding agency	Total grant received
A. University awarded projects					
Minor projects					
Major projects					
B. Other agencies – national and international (specify)					
Minor projects					
Major projects					

Faculty and post graduates are engaged in research projects mentioned in Departmental evaluation section. However at present no project is currently funded by any University, National or International Agency.

3.2.3 Does the institution have an Intellectual Property Rights (IPR) Cell?

There's no IPR cell though we have fully functional Scientific Research Committee to provide security, stimulation and incentives for efforts of the researchers.

3.2.4 Has the institution taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?

Institute is encouraging its faculty to file patents but till date we have no patents.

3.2.5 Does the institution have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the project, funding agency and grants received.

No

3.2.6 List details of

- a. Research projects completed and grants received during the last four years (funded by National/International agencies).
- b. Inter-institutional collaborative projects and grants received
 - i) National collaborations
 - ii) International collaborations

Till date no specific grant has been received. However the Institution encourages faculty to submit proposal to various funding agency for research grant by providing:

- a) Information about various funding agencies.
- b) Information about the dates of project submission.
- c) Guidelines to fill up the research proposals.
- d) Ensuring the facilitation of the process of securing funds by processing the essential documents on a priority basis

3.2.7 What are the financial provisions made in the institution budget for supporting students' research projects?

Being an institute run by a financially sound trust, there's provision of sufficient budget to procure latest instruments, equipments and laboratory facilities to support student's research projects.

3.3 Research Facilities

3.3.1 What efforts have been made by the institution to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?

Upgraded hospital with adequate infrastructure and equipment are provided to all departments to conduct research. The College has developed the following facilities for basic and clinical research:

- Well equipped basic laboratories in pre and para clinical departments.
- Animal House as per norms of CPCSEA
- All facilities for basic and advance research in Central & Research Lab.
- Computer section in library to enable the students e-learning
- Statistical software support of Statisticians
- Basic and advance Electrophysiology facilities (EEG, EMG, NCV etc)
- State of the art equipment like Operating Microscopes, flexible and Rigid Endoscopes with Still and Video recording devices
- CT Scan, MRI and Interventional Radiology facilities
- A library with large collection of books, medical journals and e-journal for the faculty, postgraduate and undergraduate students.
- Regular availability of a large number of patients for the clinical research
- SEC, IEC and IAEC to guide the technical, ethical and legal issues of the research
- Availability of latest modern state of art equipment such as pentahead microscope, fully automated electrophoresis apparatus, fluorescent microscope, RT-PCR, cryostat, spectrophotometer, aphaeresis machine, fully automated three part and five part differential counters and so on

3.3.2 Does the institution have an Advanced Central Research facility? If yes, have the facilities been made available to research scholars? What is the funding allocated to the facility?

Yes, the institution has a central research lab, which is well equipped with the latest equipments and used by all the departments of the college. The institution directly maintains the equipments and infrastructure of this facility

3.3.3 Does the institution have a Drug Information Centre to cater to the needs of researchers? If yes, provide details of the facility.

The pharmacology Department helps researchers of the college from various departments on drug information to promote the safe, effective and efficient use of medicines.

3.3.4 Does the institution provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?

There are no Fellowship programs in research at present but to visiting

scientists residential facility is provided with computer and internet facility on request to conduct research activity and programs

3.3.5 Does the institution have centers of national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

Not at present

3.3.6 Clinical trials and research

Are all the clinical trials registered with CTRI (Clinical Trials Research of India)?

Clinical trials of regulatory natures are presently not being undertaken by any faculty. However the list of research projects of the post graduates and faculty members, approved by Scientific Evaluation Committee (SEC) and Institutional Ethics Committee (IEC) [Reg. no. : ECR/708/Inst/MP/2015, Date-16-02-2015] of the institute is forwarded to Drug Controller General of India, Central Drug Standard Control Organization, in compliance to their file No. 12-01/14-DC Pt.47, date 10/11/15. This is in view of non-regulatory nature of the projects.

List a few major clinical trials conducted with their outcomes.

Not applicable

3.4 Research Publications and Awards

3.4.1 Does the institution publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

Dr. Arjun Singh, Professor of Pathology, is managing director of a journal published quarterly 'International Journal of Medical Science Research and Practice' (pISSN 2349-3178 eISSN 2349-3186)

3.4.2 Give details of publications by the faculty and students:

- Number of papers published in peer reviewed journals (national / international)
- Monographs
- Chapters in Books * Books edited
- Books with ISBN with details of publishers
- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, EBSCO host, Google scholar, etc.)

- Citation Index – range / average
- Impact Factor – range / average
- Source Normalized Impact per Paper (SNIP)
- SCImago Journal Rank (SJR)
- h-index

Several faculty members are actively researching in their respective domains and contributing to scientific community by their research finding through publishing in reputed National and International journals. There's a big list of publications, which have been mentioned in evaluative reports of each departments.

3.4.2 Does the institution publish any reports/compilations/clinical round-ups as a part of clinical research to enrich knowledge, skills and attitudes?

Not at present

3.4.3 Give details of:

Faculty serving on the editorial boards of national and international journals

- International Journal of Medical Science Research and Practice - Maj. Gen. (Retd) Shrikant Nema
- Indian Journal of Pathology Research and Practice (ISSN2278-148X)- Maj. Gen. (Retd) Shrikant Nema
- Association of Medical Science-Maj. Gen. (Retd) Shrikant Nema
- Journal of Biomedical Science (2254-609X-Maj. Gen. (Retd) Shrikant Nema
- International Journal of Medical Science Research and Practice- Dr.Arjun Singh
- Journal of medical science &clinical Research- Nilesh Chavan
- Journal of Orthopedics and Rheumatology- Dr.Jayant Sharma
- SOP on Stdmedicolegal procedures, co-editor- DrSeema Sutay

Faculty serving as members of steering committees of national and international conferences recognized by reputed organizations / societies

Not at present

3.4.4 Provide details for the last four years

Research awards received by the faculty and students:

- International Award received by Dr. B.K. Agrawal for Excellency in research as “Leading Scientist of the world 2007” Awarded by International Biographical Center Cambridge England.

- Dr. Manuj K. Sarkar – first position in ECG/HD TRACE QUIZ competition at 13th annual conference of cardiological society of India North East Chapter.
- Dr. Pankaj kumar-University gold medal 2015 in post graduate diploma in geriatric medicine Indira gandhi national open university.
- Dr. Randhir Khurana-2nd prize for poster presentation (MP State Pedicon 2015)
- IDOS QUIZ held for post graduates- Team Index(Dr Ankita Singh, Dr Shivam Goyal, Dr Kaynat Patel)- 1st runner up
- International ophthalmology conference Mumbai quiz (for pgs) Dr Shivam Goyal- 1st prize
- Dr. Saroop Kaur got 2nd prize in poster presentation. National conference of research society of anesthesiology clinical pharmacology which was held in Amritsar in 2015
- First Prize in Poster Presentation at ICPMN, Bengaluru 2014, Dr. Abhishek Bachhotiya (PG)
- Poster of Mr. Nilesh Chavan, Asst. Professor of Microbiology on Rotavirus is accepted in 12th International Symposium on Rotavirus to be held in Australia.

National and international recognition received by the faculty from reputed professional bodies and agencies

- Maj. Gen. (Retd) Shrikant Nema, Professor & HOD of Pathology is in advisory board of Robins, Basic of Pathology, South Asia Edition.
- Dr. Arjun Singh, Professor of Pathology, is managing director & editor of a journal published quarterly 'International Journal of Medical Science Research and Practice' (pISSN 2349-3178 eISSN 2349-3186)
- Dr. S.M. Holkar, Professor & HOD of Medicine has received Dr. S K Mukherjee Chikitisa seva award and ACC LEAD- Physicians Update Course Certificate awarded by American College of Cardiology Foundation.
- Dr. Pankaj kumar, Asst. Professor in Medicine -University gold medal 2015 in post graduate diploma in geriatric medicine Indira Gandhi National Open University.
- Dr. K.K.Khan from Anesthesia Department, got the honor of being chairperson & Judge at Silver Jubilee RSACPCON 2015 at Amritsar
- Dr (brig) Sanjeev Vaishampayan, Professor & HOD of Dermatology received best teacher award IADVL 2015

3.4.5 Indicate the average number of post graduate and doctoral scholars guided by each faculty during the last four years.

As per MCI norms a professor in any Department can guide 2 PG Resident and an Associate professor can guide 1 PG Student. The details of post graduate guide are provided with point 3.4.11.

3.4.6 What is the official policy of the institution to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.

Institutional Ethics Committee and Scientific Review Committee monitor the research projects and care is taken to prevent plagiarism. No incidence is reported about malpractice / plagiarism.

3.4.7 Does the institution promote multi/interdisciplinary research? If yes, how many such research projects have been undertaken and mention the number of departments involved in such endeavors?

Every department encourages students for undertaking inter-disciplinary project. Example is show below in table:

S. No.	Title of Research Project	Subject	Other Departments Involved
1	Transvaginal Sonography Assessment of Cervical Length and its Predictive Value in Preterm Labor	Obs-Gynae	Radiology
2	Outcome of Selective Lymph Node Dissection v/s Radical Lymph Node Dissection in Case of Oral Cavity Malignancies	Surgery	ENT
3	Mean platelet volume correlation in acute ischemic stroke patients:a casecontrol study	Medicine	Pathology
4	Skin Manifestation in a person with type 2 Diabetes mellitus	Medicine	Dermatology
5	Spectrum of non-infectious, erythematous populosquamous disorders of skin	Pathology	Dermatology

S. No.	Title of Research Project	Subject	Other Departments Involved
6	Study of gestational thrombocytopenia in pregnant women	Pathology	Obs- Gyne
7	To evaluate the effect of dexmedetomidine as an adjuvant to local anesthetic agents in supraclavicular brachial plexus block for elective upper limb surgery	Anesthesia	Surgery
8	A comparative study between intravenous Dexmedetomidine & propofol for intraoperative sedation during regional anesthesia	Anesthesia	Surgery
9	To study the effect of intravenous dexmedetomidine in the prevention of intra operative shivering in patients undergoing lower abdominal surgeries under spinal anesthesia	Anesthesia	Surgery
10	To study the difference between the hemodynamic changes seen in total intravenous anesthesia among Propofol – Ketamine and Propofol - Fentanyl	Anesthesia	Surgery
11	A comparative clinical study of intrathecal dexmedetomidine 5 µg & dexmedetomidine 10 µg with 0.5% hyperbaric bupivacaine 17.5mg in elective total abdominal hysterectomy – a double blind controlled study	Anesthesia	Surgery
12	To evaluate the effect of intrathecal clonidine 75µg as an adjuvant to bupivacaine 0.5% heavy for postoperative analgesia in lower limb orthopedic surgery	Anesthesia	Surgery
13	Role of image guided biopsy in suspected tuberculosis of spine	Orthopedics	Radio-diagnosis

S. No.	Title of Research Project	Subject	Other Departments Involved
14	Evaluation of single shot unenhanced CT scan study of nontraumatic acute abdomen & its comparison with ultra-sonography.	Radio-diagnosis	Surgery
15	Role of MD-CT in evaluation of neck masses	Radio-diagnosis	Surgery
16	Evaluation of influence of anatomical variation in chronic rhino sinusitis	Radio-diagnosis	ENT
17	Role of styloid process dimensions in evaluation of chronic throat & neck pain	ENT	Radio-diagnosis
18	To study psychological stressors & psychiatric morbidities in Myocardial infarction patients	Psychiatry	Medicine
19	Biochemical Markers for early detection of risk of nephropathy & atherosclerosis in type 2 DM patients	Biochemistry	Medicine
20	Assessment of severity of COPD based on BODE Index & variation in serum growth hormone, serumcalcium, vitamin-D & serum testosterone levels.	Biochemistry	Medicine
21	Correlation between polymorphic light eruptions & thyroid function tests	Skin & VD	Biochemistry
2015-2016			
1	Study of Correlation between Serum Lipids and Macular Thickness in type 2 Diabetic Retinopathy with or without Maculopathy.	Ophthalmology	Pathology
2	A comparative study of radiological alignment and computer navigated measurements	Orthopedics	Radio-diagnosis

S. No.	Title of Research Project	Subject	Other Departments Involved
	of lower limb coronal alignment pre & post total knee arthroplasty.		
3	Identifying the role of 3D CT Scan in the management of Proximal Tibial Fractures essential or just beneficial.	Orthopedics	Radio-diagnosis
4	A comparative study of post operative analgesia with intra articular Ropivacaine alone and intra articular Ropivacaine and Fentanyl in Arthroscopic surgery.	Anesthesiology	Orthopedics
5	A comparative clinical study of Intrathecal Fentanyl 25µg and clonidine 45µg with 0.5% Hyperbaric Bupivacaine 10 mg in lower segment caesarean section.	Anesthesiology	Obs-Gynae
6	To evaluation the effect of Dexmedetomine as an Adjuvant to local Anaesthetic agents in Sciatic nerve block and Femoral nerve block for elective lower limb surgery.	Anesthesiology	Orthopedics
7	Comparative study of the effect on post operative pain of intravenous clonidine given before induction of general anaesthesia in abdominal surgeries	Anesthesiology	Surgery
8	Study on the role of biochemical markers in Diabetic patients with cataract and retinopathy attending Index Medical College	Biochemistry	Ophthalmology
9	Study of serum magnesium levels in diabetic or nondiabetic patients with acute cerebrovascular accident	General Medicine	Biochemistry
10	A study of lipid profile in smokers and tobacco chewers and their correlation with coronary artery	General Medicine	Biochemistry

S. No.	Title of Research Project	Subject	Other Departments Involved
	disease (CAD) in tertiary care centre		
11	Bacteriological profile of diabetic foot infection & in vitro activity of antimicrobial agents.	Microbiology	Surgery
12	A study to detect incidence of premalignant lesions and incidental carcinoma in clinically diagnosed Benign Prostatic Hyperplasia	Pathology	Surgery
13	Study of morphological pattern of anaemia in paediatric age group in and around a Tertiary health care centre of Central India	Pathology	Pediatrics
14	A comparative study of liquid based cytology & conventional PAP smear in cervical screening	Pathology	Obs-Gynae
15	A comparative study of HbA1C over FBS as a method to diagnose DM in clinically suspected cases	Pathology	General Medicine
16	To study the morphological spectrum of endometrium in patients presenting with DUB	Pathology	Obs-Gynae
17	Assessment of coagulation profile as predictor of DZC and HELLP syndrome in cases of pregnancy induced hypertension	Pathology	Obs-Gynae
18	A cross sectional study on spectrum of infections in cervicovaginal smears	Pathology	Obs-Gynae
19	A cross sectional study of general anxiety disorder and depressive disorder in patients suffering from pulmonary tuberculosis.	Psychiatry	Pulmonary Medicine
20	Role of multidetector computed tomography in diagnosis of salivary gland pathology & its	Radiology	Surgery

S. No.	Title of Research Project	Subject	Other Departments Involved
	histopathological correlation		
21	Foetal aortic isthmus Doppler measurements in Intra uterine growth retardation & high risk pregnancies.	Radiology	Obs-Gynae
22	Retrospective & prospective evaluation of varicose vein including color Doppler study & their complication.	General Surgery	Radiology
23	Bacteriological study and structural composition of renal stones removed by the anatropic nephrolithotomic procedure.	General Surgery	Microbiology
24	A study of association of H. pylori infection and peptic ulcer perforation.	General Surgery	Microbiology
25	The clinical study of chronic lower limb ischemia & its correlation with color Doppler scan.	General Surgery	Radiology

3.4.8 Has the university instituted any research awards? If yes, list the awards.

Not Applicable

3.4.9 What are the incentives given to the faculty and students for receiving state, national and international recognition for research contributions?

There is appreciation and incentive in the form of promotions as per the guidelines issued by MCI. Additional cash incentives are provided on research publications in indexed national or international journal.

3.4.10 Give details of the postgraduate and research guides of the institution during the last four years.**The list showing the faculty involvement in project of Post-graduate students of 2014-15 batches**

S. No.	Title Of Research Project	Subject	PG Student	Guide
1	Premature Rupture of Membranes- A Clinico-epidemiological Perspective	Obs-Gynae	Dr. Hitesh Parmar	Dr. PreetiJain
2	Transvaginal Sonography Assessment of Cervical Length and its Predictive Value in Preterm Labor	Obs-Gynae	Dr. Amita Tripathi	Dr. Gajendra Tomar
3	Comparative Study of Labetalol and Alpha Methyldopa in the Management of New Onset Hypertension During Pregnancy	Obs-Gynae	Dr. Priyanka Pandey	Dr. M.R.Kural
4	Evaluation of the Maternal and Fetal Outcome in Obstetric Emergencies in Referred Cases at Tertiary Health Centre in Rural Area of Indore	Obs-Gynae	Dr. Smriti Singhal	Dr.Meena Bhargava
5	Clinical Study and Management of Chronic Pain Post Inguinal Hernioplasty	Surgery	Dr. Ankit Tiwari	Dr. K.K saxena
6	Outcome of Selective Lymph Node Dissection v/s Radical Lymph Node Dissection in Case of Oral Cavity Malignancies	Surgery	Dr. Sankalp Shrivastava	Dr. Ajay Joshi

S. No.	Title Of Research Project	Subject	PG Student	Guide
7	Various Comorbid Conditions and Their Effect on Outcome in General Geriatric Surgery Patients	Surgery	Dr. Sani Pasrija	Dr. Ajay Joshi
8	Comparative Study of Surgical Management of Low Anal Fistula-in-ano Between Fistulotomy and Fistulectomy and its Outcome	Surgery	Dr. Abhinav Rathi	Dr. K.K saxena
9	Evaluation of Alvarado Scoring System in Preoperative Diagnosis of acute appendicitis	Surgery	Dr. Prateek Porwal	Dr. Ashish Agrawal
10	Evaluation of various surgical technique of urethroplasty in cases of hypospadias	Surgery	Dr. Jitendra Gothwal	Dr. Manish Patel
11	Efficacy of superoxidised solution v/s Povidine iodine in the management lower limb ulcer	Surgery	Dr. Rahul Jain	Dr. Vivekanand
12	Clinical evaluation of patients with long standing hypertension with special reference to cardiac status	Medicine	Dr. Aastha Bansal	Dr. S. Mourya
13	Mean platelet volume correlation in acute ischemic stroke patients:a casecontrol study	Medicine	Dr. Babeena Singh Bajhaiya	Dr. S.M. Holkar
14	Demographic profile study and treatment practice pattern in patient with systemic hypertension	Medicine	Dr. Shivank Shrivastava	Dr. Deepak Sharma

S. No.	Title Of Research Project	Subject	PG Student	Guide
15	Tread mill test to detect the prevalence of stress induced ischemic heart disease in type -2 diabetes mellitus patients asymptomatic for cad with normal resting ECG	Medicine	Dr. Ajay Kumar Singh	Dr. Sudhir Mourya
16	Prevalence of different headache subtypes in a tertiary care centre in Indore, in rural population	Medicine	Dr. Rishu Mishra	Dr. Prashant Joshi
17	Electrocardiographic & echocardiographic correlation in the diagnosis of left ventricular hypertrophy	Medicine	Dr. Mithun S	Dr. S.M. Holkar
18	Skin Manifestation in a person with type 2 Diabetes mellitus	Medicine	Dr. Parth Pandya	Dr. Rampal
19	Role of CD-10 a stromal marker in prognostication of breast cancer and comparison with ER, PR & HER-NEU 2 (Epithelial Markers)	Pathology	Dr. Surekha Sharma	Dr. S.K. Nema
20	Role of VEGF in dysfunctional uterine bleeding	Pathology	Dr. Snehil Agrawal	Dr. Mohini Kucheria
21	Detection of micro metastasis in lymph nodes in various malignancies using immunohistochemical markers – a retrospective & prospective study	Pathology	Dr. Akanchha	Dr. Sanjeev Narang

S. No.	Title Of Research Project	Subject	PG Student	Guide
22	Morphological changes in leucocytes as a marker of neonatal sepsis	Pathology	Dr. Radhika Rathi	Dr. Anil Kappor
23	Homocysteine level in Rural and Urban population in and around a tertiary care centre	Pathology	Dr. Randeep Kaur Bal	Dr. Sanjeev Narang
24	Serum hepcidin as a potential marker in iron deficiency anemia in general population	Pathology	Dr. Sonal Vyas	Dr. Anil Kapoor
25	Spectrum of non-infectious, erythematous populosquamous disorders of skin	Pathology	Dr. Harmeet Singh Chowdhary	Dr. S.K. Nema
26	Study of gestational thrombocytopaenia in pregnant women	Pathology	Dr. Saniya Sharma	Dr. Arun Singh
27	Role of fine needle aspiration cytology in the diagnosis and the management of benign as well as malignant thyroid lesions	Pathology	Dr. Priyanka Tiwari	Dr. Arjun Singh
28	To evaluate the effect of dexmedetomidine as an adjuvant to local anaesthetic agents in supraclavicular brachial plexus block for elective upper limb surgery	Anesthesia	Dr. Rahul Gupta	Dr. G.S. Agnihotri
29	A comparative study between intravenous Dexmedetomidine & propofol for intraoperative sedation	Anesthesia	Dr. Shashank Shekhar	Dr. G.S. Agnihotri

S. No.	Title Of Research Project	Subject	PG Student	Guide
	during regional anesthesia			
30	To study the effect of intravenous dexmedetomidine in the prevention of intra operative shivering in patients undergoing lower abdominal surgeries under spinal anesthesia	Anesthesia	Dr. Ankit Gupta	Dr. Sangeeta B Agrawal
31	To study the difference between the hemodynamic changes seen in total intravenous anesthesia among Propofol – Ketamine and Propofol - Fentanyl	Anesthesia	Dr. Rahul Kumar	Dr. K.K.Khan
32	A comparative clinical study of intrathecal dexmedetomidine 5 µg & dexmedetomidine 10 µg with 0.5% hyperbaric bupivacaine 17.5mg in elective total abdominal hysterectomy – a double blind controlled study	Anesthesia	Dr. Saroop Kaur	Dr. K.K.Khan
33	To evaluate the effect of intrathecal clonidine 75µg as an adjuvant to bupivacaine 0.5% heavy for postoperative analgesia in lower limb orthopedic surgery	Anesthesia	Dr. Prabha Khatri	Dr. Girish Verma
34	Comparison of different modalities of treatment for metacarpal fractures	Orthopedics	Dr. Piyush Rajesh	Dr. Ranbir S Saluja

S. No.	Title Of Research Project	Subject	PG Student	Guide
35	Role of Joshi's external stabilization system (JESS) in decreasing the incidence of frozen shoulder v/s other modalities in proximal humeral fracture	Orthopedics	Dr. Abhilash Shishodia	Dr. R.S. Saluja
36	Role of image guided biopsy in suspected tuberculosis of spine	Orthopedics	Dr. Vivek Patel	Dr. Shaukat ali Mustafa Johar
37	Role of flexion (in degrees) and femoral offset guide in achieving proper femoral tunnel in arthroscopic ACL reconstruction.	Orthopedics	Dr. Viral K Patel	Dr. Shaukat ali Mustafa Johar
38	Evaluation of single shot unenhanced CT scan study of nontraumatic acute abdomen & its comparison with ultrasonography.	Radio-diagnosis	Dr. Vineet Kumar	Dr. Pramod Sakhi
39	Role of MD-CT in evaluation of neck masses	Radio-diagnosis	Dr. Sachin Kataria	Dr. G.P. Dhoot
40	Evaluation of influence of anatomical variation in chronic rhino sinusitis	Radio-diagnosis	Dr. Ashish Chaturvedi	Dr. G.P. Dhoot
41	Study on correlation of visual acuity & foveal thickness of diabetic macular edema patients & treatment modalities of diabetic macular edema	Ophthalmology	Dr. Shivam Goyal	Dr. A.S.Thakur

S. No.	Title Of Research Project	Subject	PG Student	Guide
42	Evaluation of macular & nerve fibre layer thickness changes and effecton field of vision on 3D-OCT & Humphrey Perimetry respectively in patients of glaucoma	Ophthalmology	Dr. Ankita Singh	Dr. A.S.Thakur
43	To study the incidence of anemia & anemia profile among rural children aged 1-5years	Pediatrics	Dr. Saurabh Singh	Dr. Mohini Harshey
44	A comparative study of growth & development pattern between children having nutritional anemia & hemolytic anemia in the age group 1-10 years	Pediatrics	Dr. Amritesh Ranjan	Dr. V.Deshmukh
45	A study of incidence of neonatal thrombocytopenia & its correlation with maternal risk factors in newborn	Pediatrics	Dr. Nagesh Chandra Doharey	Dr. Swati Raipurkar
46	Study the effect of maternal anemia on neonatal outcome	Pediatrics	Dr. Randhir Khurana	Dr. Swati Raipurkar
47	Role of styloid process dimensions in evaluation of chronic throat & neck pain	ENT	Dr. Pulkit Khandelwal	Dr. Hari Shankar Sharma
48	Correlation of pre operative assessment of COSM with operative findings	ENT	Dr. Varsha Raghuvanshi	Dr. Naveen Agarwal
49	A study of neurological, cognitive & behavioral domain in first degree relative in	Psychiatry	Dr. Prabhat Sharma	Dr. C.S. Sushil

S. No.	Title Of Research Project	Subject	PG Student	Guide
	schizophrenia as candidate endophenotype			
50	To study psychological stressors & psychiatric morbidities in Myocardial infarction patients	Psychiatry	Dr. Umar Mushir	Dr. C.S. Sushil
51	Biochemical Markers for early detection of risk of nephropathy & atherosclerosis in type 2 DM patients	Biochemistry	Dr. Sunita Singh	Dr. B.K.Agrawal
52	Factors affecting TB treatment compliance in DOTS enrolled patients at a tertiary health centre	TB & Chest	Dr. Bhajanlal Lilhare	Dr. K Girendra
53	Assessment of severity of COPD based on BODE Index & variation in serum growth hormone, serumcalcium, vitamin-D & serum testosterone levels.	TB & Chest	DR.V N B Raju	Dr. K Girendra
54	Correlation between polymorphic light eruptions & thyroid function tests	Skin & VD	Dr. Alamjit Singh Dhillon	Dr. Parikshit Sharma
55	Comparative study of 35% glycolic acid peel versus 20% salicylic acid peel in the management of acne vulgaris	Skin & VD	Dr. Rohini Chauhan	Dr. V.S.Babu

The list showing the faculty involvement in project of Post-graduate students of Batch 2015-16

S.N	Title Of Research Project For Dissertation	Course	Candidate	Guide
1	To Study the effect of I.V. Lidocaine and I.M. Diclofenac in reducing Succinyl Choline induced Myalgia in General Anaesthesia.	MD Anesthesiology	Dr. Neha Singh	Dr. Sangeeta Bansal
2	A Comparative Clinical Study of Dexmedetomidine 0.5 mcg/kg and Fentanyl 2mcg/kg in Attenuating Laryngeal Stress Response During Laryngoscopy and Intubation.	MD Anesthesiology	Dr. Sagar Rakesh Tyagi	Dr. K.K. Khan
3	A comparative study of post operative analgesia with intra articular Ropivacaine alone and intra articular Ropivacaine and Fentanyl in Arthroscopic surgery.	MD Anesthesiology	Dr. Anuj Pandey	Dr. Sangeeta Bansal
4	A comparative clinical study of Intrathecal Fentanyl 25µg and clonidine 45µg with 0.5% Hyperbaric Bupivacaine 10 mg in lower segment caesarean section.	MD Anesthesiology	Dr. Uday G.	Dr. K.K. Khan
5	To evaluation the effect of Dexmedetomine as an Adjuvant to local Anaesthetic agents in Sciatic nerve block and	MD Anesthesiology	Dr. Shashank Dhaketa	Dr. K.K. Khan

S.N	Title Of Research Project For Dissertation	Course	Candidate	Guide
	Femoral nerve block for elective lower limb surgery.			
6	Comparative study of the effect on post operative pain of intravenous clonidine given before induction of general anaesthesia in abdominal surgeries	MD Anesthesiology	Dr. Viroja Brijesh	Dr. G. S. Agnihotri
7	Study on the role of biochemical markers in Diabetic patients with cataract and retinopathy attending Index Medical College	MDBiochemistry	Dr. Pragati Sharad Khanorkar	Dr. B. K. Agrawal
8	Study of spectrum of dermatological disorders in neonates admitted in a Tertiary Health Care Centre.	MD Dermatology	Dr. Ajay Singh Raghuwanshi	Dr. Parikshit Sharma
9	Dermatological manifestations in all female population attending tertiary health care center.	MD Dermatology	Dr. Radha Ramesh Lachhramani	Dr. Parikshit Sharma
10	A Study of autonomic dysfunction in Bronchial Asthma patients at a Tertiary Health Centre.	MD General Medicine	Dr. Avinash Balraj	Dr. S.R. Holkar
11	Study of serum magnesium levels in diabetic or nondiabetic patients with acute cerebrovascular accident	MD General Medicine	Dr. Nelson Ghosh	Dr. Prashant Joshi
12	AN overview of GB	MD	Dr. Praveen	Dr.

S.N	Title Of Research Project For Dissertation	Course	Candidate	Guide
	Syndrome with reference to clinical features & prognostic outcome	General Medicine	Kumar Kavvri	Deepak Sharma
13	Non Alcoholic Fatty Liver Disease in Type 2 Diabetes Mellitus and its correlation with systemic hypertension, dyslipidemia and anthropometric index.	MD General Medicine	Dr. Radheshyam Malviya	Dr. Rampal
14	The study of cardiac involvement in thyroid disorder patients of rural areas of Malwa region.	MD General Medicine	Dr. Ravija Prasad	Dr. Prasana Yadav
15	A study of lipid profile in smokers and tobacco chewers and their correlation with coronary artery disease (CAD) in tertiary care centre	MD General Medicine	Dr. Nisha	Dr. S. Mourya
16	Survey of Prescription of patients of Hypertension under treatment at IMCHRC & Evaluation of patients knowledge about hypertension under treatment at IMCHRC.	MD General Medicine	Dr. Ankit Chellani	Dr. S. Mourya
17	Bacteriological profile of diabetic foot infection & in vitro activity of antimicrobial agents.	MD Microbiology	Dr. Nirali Garg	Dr. S. C. Kogekar
18	A cross sectional study on Nutritional status and associate nutritional	MD Paediatrics	Dr. Sanjeev Suman	Dr. Swati V. Raipurkar

S.N	Title Of Research Project For Dissertation	Course	Candidate	Guide
	deficiencies in malnourished preschool children in relation to anthropometric measurement.			
19	Meconium stained Amniotic Fluid and its Neonatal outcome in a Rural tertiary care hospital near Indore	MD Paediatrics	Dr. Nitin Gyaraspuria	Dr. Mohini Harshey
20	A cross sectional study to evaluate the Prevalence of short stature and its various etiologies in Paediatric population attending a Medical College OPD in Indore.	MD Paediatrics	Dr. Archana Rani	Dr. Swati V. Raipurkar
21	Determination of prevalence and Etiology of Headache in children in a tertiary care centre in rural areas of Indore.	MD Paediatrics	Dr. Ritesh Kumar Singh	Dr. V.K. Deshmukh
22	A study on Birth Preparedness & Complication Readiness in the Field Practice Area of RHTC of a Tertiary Care Establishment in Central India.	MDCCommunity Medicine	Dr. Indrayudh Banerjee	Dr. V. K. Arora
23	A study to detect incidence of premalignant lesions and incidental carcinoma in clinically diagnosed Benign Prostatic Hyperplasia	MD Pathology	Dr. Aditya Tignath	Dr. Sanjeev Narang

S.N	Title Of Research Project For Dissertation	Course	Candidate	Guide
24	Study of morphological pattern of anaemia in paediatric age group in and around a Tertiary health care centre of Central India	MD Pathology	Dr. Himani Singh	Dr. Anil Kapoor
25	A comparative study of liquid based cytology & conventional PAP smear in cervical screening	MD Pathology	Dr. Apurva Malhotra	Dr. A. Singh
26	A comparative study of HbA1C over FBS as a method to diagnose DM in clinically suspected cases	MD Pathology	Dr. Shahar Bano Khan	Dr. Anil Kapoor
27	To study the morphological spectrum of endometrium in patients presenting with DUB	MD Pathology	Dr. Jay Singh	Dr. S. K. Nema
28	Assessment of coagulation profile as predictor of DIC and HELLP syndrome in cases of pregnancy induced hypertension	MD Pathology	Dr. Vikas Misra	Dr. Sanjeev Narang
29	Analysis of micronucleus assay of buccal mucosa cells in tobacco users	MD Pathology	Dr. Awani Jain	Dr. S. K. Nema
30	A cross sectional study on spectrum of infections in cervicovaginal smears	MD Pathology	Dr. Neelambra Bidwai	Dr. S. K. Nema
31	Comparative study of Manual liquid based cytology & conventional cytology	MD Pathology	Dr. Rahul Karode	Dr. Arjun Singh

S.N	Title Of Research Project For Dissertation	Course	Candidate	Guide
32	Evaluation of presence of Premenstrual syndrome & premenstrual dysphoric disorder in health professionals & its correlation with Major Depressive disorders.	MD Psychiatry	Dr. Meenakshi Jain	Dr. M.K. Deshpande
33	A cross sectional study of general anxiety disorder and depressive disorder in patients suffering from pulmonary tuberculosis.	MD Psychiatry	Dr. Rishabh Pratap Singh Yadav	Dr. M.K. Deshpande
34	Role of multidetector computed tomography in diagnosis of salivary gland pathology & it's histopathological correlation	MD Radio Diagnosis/Radiology	Dr. Itesh Bhardwaj	Dr. Amlendu Nagar
35	Foetal aortic isthmus Doppler measurements in Intra uterine growth retardation & high risk pregnancies.	MD Radio Diagnosis/Radiology	Dr. Anju Dhiman	Dr. Pramod Sakhi
36	Role of Nonenhanced Multidetector CT Coronary Artery Calcium scoring in Asymptomatic high risk individuals and symptomatic individuals	MD Radio Diagnosis/Radiology	Dr. Vishal Kumar Mulchandani	Dr. Pramod Sakhi
37	Induction of labour by intra vaginal Misoprostol & comparison with intravenous oxytocin & trans cervical Prostaglandin E2 gel	MD Obs & Gynae	Dr. Arnab Kumar Nandi	Dr. Gajendra S Tomar

S.N	Title Of Research Project For Dissertation	Course	Candidate	Guide
38	Perinatal outcome of meconium stained liquor in term and post-term pregnancy (January 2016 to March 2017).	MD Obs & Gynae	Dr. Rakhi Sharma	Dr. Meena Bhargava
39	Maternal & perinatal outcome in pregnancies beyond expected date of delivery upto 42 weeks	MD Obs & Gynae	Dr. Shweta Gupta	Dr. Tulika Joshi
40	To study amniotic fluid volume in intrauterine growth restriction and perinatal outcome	MD Obs & Gynae	Dr. Alka Shukla	Dr. Vinita Agrawal Bansal
41	Evaluation and comparison of the Central Foveal Thickness in Myopic patients using 3-D	MS Ophthalmology	Dr. Kaynat Patel	Dr. Pradip Gandhi
42	Study of Correlation Between Serum Lipids and Macular Thickness in Type 2 Diabetic Retinopathy With or Without Maculopathy	MS Ophthalmology	Dr. Priyanka Kolhe	Dr. Pradip Gandhi
43	Prospective study between tragal perichondrium & temporalis fascia grafting in patients of CSOM undergoing type-1 tympanoplasty	MS ENT	Dr. Mohit Samadhyia	Dr. H.S.Sharma
44	A study of comparative efficacy of topical ciprofloxacin ear drops vs 2% acetic acid ear drops in treatment of	MS ENT	Dr. Mohit Sahu	Dr. Naveen Agrawal

S.N	Title Of Research Project For Dissertation	Course	Candidate	Guide
	CSOM			
45	Retrospective & prospective evaluation of varicose vein including colour Doppler study & their complication.	MS General Surgery	Dr. Saurabh Kumar Singh	Dr. Anil Baxi
46	Comparative Study of Chronic Pain in Patient Post Conventional Open Technique Vs Chronic Pain in Patient Post Minimally Invasive Laproscopic Approach of Inguinal Hernia Repair	MS General Surgery	Dr. Abhishek Verma	Dr. Ashish Agrawal
47	Bacteriological study and structural composition of renal stones removed by the anatomic nephrolithotomic procedure.	MS General Surgery	Dr. E. Praneeth	Dr. Ajay Joshi
48	A study of association of H. pylori infection and peptic ulcer perforation.	MS General Surgery	Dr. Rahul Kumar Atode	Dr. Atul Kr. Vyas
49	Elective ilio-inguinal neurectomy for prevention of chronic pain after inguinal hernia meshplasty.	MS General Surgery	Dr. Abhinav Singh	Dr. Kuldeep Virani
50	The clinical study of chronic lower limb ischemia & its correlation with color Doppler scan.	MS General Surgery	Dr. Naveen Kumar	Dr. Kuldeep Virani

S.N	Title Of Research Project For Dissertation	Course	Candidate	Guide
51	Prospective study to evaluate post operative complications and factors affecting outcome in abdominal surgery.	MS General Surgery	Dr. Iqbal Khan	Dr. Irfan Qureshi
52	A comparative study of radiological alignment and computer navigated measurements of lower limb coronal alignment pre & post total knee arthroplasty.	MS Orthopaedics	Dr. Johney Juneja	Dr. S.A. Mustafa
53	Hemiarthroplasty for unstable intertrochantric fracture femur in elderly	MS Orthopaedics	Dr. Akhil Arora	Dr. R.S. Saluja
54	Identifying the role of 3D CT Scan in the management of Proximal Tibial Fractures essential or just beneficial.	MS Orthopaedics	Dr. Gaurav Sahu	Dr. Hundekar
55	Evaluation of results of fracture shaft femur at and below middle one-third treated with distal femoral nail.	MS Orthopaedics	Dr. Noor Arshad	Dr. S.A. Mustafa
56	An Epidemiological Study of Predisposing Factory for Acute Asthma in Adults	MD Pulmonary medicine	Dr. Rothman PT	Dr. Kumar Girendra
57	Factors responsible for reactivation and reinfection of tuberculosis for patients registered in RNTCP as retreatment cases.	MD Pulmonary medicine	Dr. Kedarnath Devangan	Dr. Kumar Girendra

3.5 Consultancy

3.5.1 What are the official policy/rules of the institution for structured consultancy? List a few important consultancies undertaken by the institution during the last four years.

Apart from Medical consultation services given free to all in hospital, other structured Consultancy service is not promoted in any field at present. Medical consultation is Free for all patients attending OPD or admitted in hospital. Free medical consultation is also given in Health Camps.

3.5.2 Does the university have an industry institution partnership cell? If yes, what is its scope and range of activities?

Not applicable

3.5.3 What is the mode of publicizing the expertise of the institution for consultancy services? Which are the departments from whom consultancy has been sought?

The mode of publicity such as Website, Brochures, Handouts, newspapers, Banners at Public places, Social media and Cable TV Advertisements, NGOs, Clubs and Health related social workers, etc, are utilized to promote the Medical consultancy of all the specialties.

3.5.4 How does the institution utilize the expertise of its faculty with regard to consultancy services?

Consultancy services in any other field are not provided except free medical consultation to patients in hospital and in camps.

3.5.5 Give details regarding the consultancy services provided by the institution for secondary and tertiary health care centers and medical / dental practitioners.

The institution itself is a Tertiary Level Health Care organization providing free Consultancy services at all the Department OPDs in the Hospital and in peripheral areas the rural and urban health care centers.

3.5.6 List the broad areas of consultancy services provided by the institution and the revenue generated during the last four years.

Medical Consultation is provided in all specialties. As the institution works on the principle of No-profit no-loss basis, no revenue is generated by Medical consultation services. All consultancy services are provided free of cost to the

population of backward district of Indore through medical camps and at peripheral centers.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programs which have created an impact on students' campus experience during the last four years.

The undergraduate Students, Interns, and Post Graduate students are posted to the outreach centres under the supervision of faculty of Department of Community. All these “Outreach programs” are integrated in the academic curricula with an objective for healthcare service to the underprivileged portion of the society. Accordingly, the teaching & learning programs focus on this type of education, with an objective aiming at doctors who are oriented towards rural health problems instilling the social, cultural, economic and environmental realities and to empower them with adequate epidemiological and community health skills, so that they may be able to provide “Comprehensive Health Care” to the underprivileged.

3.6.2 How does the institution promote university-neighborhood network and student engagement, contributing to the holistic development of students and sustained community development?

Networking of Medical, Dental, Physiotherapy and Nursing care outreach activities at the surrounding villages and communities contributes to the holistic development of the students.

Conduction of continuing education programs for HIV-AIDS, promotion of health and prevention of morbidity and mortality due to environmental factors, socio-demographic and economic factors, infectious and non-infectious diseases, occupational health hazards, problems related to pregnancy and child birth, diseases related to mothers, infants and children contributes towards awareness generation and holistic care of the population and sustained community development. Conduction of comprehensive health care camps for the underprivileged community in relation to Medical, Dental, Physiotherapy and Nursing gives an opportunity for the students for comprehensive holistic consideration of the patients and community.

A number of villages, namely Khudel, Bouliya, Moradhhat and Double chouki, have been adopted to provide free medical facilities for the treatment of expected mothers, children, and neonates.

There has been provision of free medical facilities to the groups involved in social services for example Dadhichi dehdan committee, motivating the people for organ or body donation.

Some of the grand events organized by the college are

- Regular health camps in the rural areas: 54 health camps were organized in 2014, 46 in 2015 and 31 in 2016 till July
- Helping Rotary club of Indore greater in their health camp 'Rahat' at 26th to 28th February 2016 at Manpur
- Providing ambulance & health assistance to Radha Swami Satsang during their annual satsang program gathering a huge population
- Regular daily health care services with 6 grand health camps were arranged in Ujjain during Simhastha Kumbh Mahaparva, from 20th April to 30th May 2016

The participation of the students is ensured to get this leaning experience of social responsibility through creating awareness about social issues, social needs, problems and culture and then motivating them to be a socially responsible citizen.

To promote institution- neighborhood community network, institute undertake community based activity through various associations in the institute.

3.6.3 How does the institution promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International programs?

Students and faculty participate in the health activities of various national/international agencies. A few latest examples are mentioned above.

3.6.4 Give details of social surveys, research or extension work, if any, undertaken by the institution to ensure social justice and empower the underprivileged and the most vulnerable sections of society?

In order to empower the underprivileged and the most vulnerable sections of the society the undergraduate and postgraduate students of the college undertake surveys, research activities and extension work during their community posting and internship under guidance of the faculty. The list of such surveys, research and publications is as follows:

2015:

1. KAP Study on ANC Care Breastfeeding & Immunization among Women of Reproductive Age Group in the Area under RHTC, Indore –

Dr. Abhishek Bachhotiya

2. Prevalence of Determinants of Hypertension among Adults in Rural Area of Indore – *Dr. Jayashri Bute*
3. Prevalence of Malnutrition among Children under – 5 Anthropometric Survey – *Dr. Abhishek Bachhotiya*
4. Evaluation of utilization, availability & preferences of health care facilities by rural population the vicinity of a Tertiary Care Establishment – *Dr. Indrayudh Banerjee*
5. A Cross-sectional study on prevalence and pattern of Alcohol Consumption among adult males by using AUDIT (Alcohol Use Disorder Identification Test) in rural community of Indore- *Dr. Jayashri Bute*
6. Prevalence of Anemia among adult males in rural area in the vicinity of IMCHRC, Indore- *Dr. Sangeeta Kori*

2014:

7. Prevalence of Worm Infestation among School Children & its related Sociodemographic Factors – *Dr. Piyusha Mahashabde*
8. Prevalence of Hypertension Among Adolescents in Rural Area of Indore – *Dr. Jayashri Bute*
9. Immunization Coverage Among Children Aged 01 – 02 years in Rural Area around IMCHRC, Indore – *Dr. Piyusha Mahashabde*
10. Study of Anemia during Pregnancy Among Rural Women of Indore - *Dr. Abhishek Bachhotiya*
11. Evaluation of utilization of Janani Suraksha Yojana in Rural Area of Indore – *Dr. Abhishek Bachhotiya*
12. A Cross – Sectional Study for assessment of Anxiety & Depression Among Doctors of a Medical College in Central India – *Dr. Abhishek Bachhotiya*

2013:

1. A study to determine the tobacco use pattern among school children in central India- *Dr. Aarti Sahasrabuddhe*
2. Study on Nutrition & Health Status of Pre-school Children in Urban Slums of UHTC Area – Aathmile – *Dr. Ahmed Shahjada*
3. Knowledge & Practice of Breastfeeding among Women of Reproductive Age Group – *Dr. Piyusha Mahashabde*
4. Knowledge & Attitude Regarding Menstruation & Menstrual Hygiene among Adolescent Girls – *Dr. Piyusha Mahashabde*
5. A Cross-Sectional Study on Morbidity Profile of Geriatric population of RHTC Practice Area – *Dr. Ahmed Shahjada*
6. KAP of Hospital Waste Management (HWM) Among Health Care Workers in a Health Care Establishment – *Dr. Shireen Sharma*

7. Knowledge, Attitude & Behavior about 'Swine Flu' Among Interns Posted in Various Departments at IMCHRC – *Dr. Shireen Sharma*
8. Prevalence of Anemia among Adolescent Girls in Rural Area – *Dr. Piyusha Mahashabde*
9. Nutritional Status of Preschool Children of UHTC Aathmile Area-*Dr. Ahmed Shahjada*
10. Evaluation of Intervention on Voluntary Blood Donation 1st Prof. MBBS & BDS students of IMCHRC, Indore – *Dr. Abhishek Bachhotiya*
11. Prevalence and Pattern of Tobacco Consumption among 1st prof MBBS students in a Private Medical of Central India- *Dr. Abhishek Bachhotiya*

2012:

1. Prevalence of Anemia among pregnant Women: A Hospital Based Study – *Dr. Piyusha Mahashabde*
2. Knowledge, Awareness & Misconception of HIV/AIDS Among 1st Prof. MBBS, BDS & Nursing students of IMCHRC, Indore – *Dr. Shireen Sharma*
3. A Study of Psychosocial problem in Geriatric Population (Above 60 years of age) – *Dr. Shireen Sharma*
4. A KAP Study on Hepatitis B and its Immunization Status among 1st Prof MBBS, BDS & Nursing Students of IMCHRC, Indore – *Dr. Shireen Sharma*

3.6.5 Does the institution have a mechanism to track the students' involvement in various social movements / activities that promote citizenship roles?

Regular feedback is taken from the community leaders and villagers about the involvement and commitment of the students during extension work in addition to the observations made by the staff in charge of the extension activity related to the regularity, sincerity, and the quality of participation of the students so as to invoke responsible citizenship roles and responsibility amongst them.

3.6.6 How does the institution ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the institution that have encouraged community participation in its activities.

Since our extension activities are need based, assessment of needs is undertaken by involvement of important personnel such as Sarpanch, local leaders, MLA, school teachers, Mahila Mandals and social clubs. They suggest

the activities needed at the local level. The institution arranges the activities according to their perceived needs, ensuring full participation and involvement of the community in the outreach activities and community development. They are explained the purpose and scope of the activity and their full cooperation and participation is ensured. The schedule of the activity is announced well in advance after giving due consideration for the convenience in relation to place and timing. This ensures involvement and cooperation of the stake holders and the community at large. While doing the extension work, if serious health problems are encountered which need to be tackled at the tertiary health care level, the persons are brought to the hospital and given care, either free of cost if the person is below the poverty line or on the basis of no profit no loss. Such support given by the institute generates trust and promotes a positive behavioural response from the community.

3.6.7 Give details of awards received by the institution for extension activities and/contributions to social/community development during the last four years.

Various specific awards and appreciation has been received from various organizations such as Thalessemia society, Indian Medical Association, Indian Dental association, Rotary & Lion's club.

3.6.8 What intervention strategies have been adopted by the institution to promote the overall development of students from rural/ tribal backgrounds?

Institution ensures that no discrimination takes place pertaining to students from rural/tribal backgrounds pursuing education in this institution.

Students are encouraged to participate in sports and cultural activities along with their colleagues. Institution also helps the students to seek scholarship by providing necessary information and assistance in the process.

3.6.9 What initiatives have been taken by the institution to promote social-justice and good citizenship amongst its students and staff? How have such initiatives reached out to the community?

The institution promotes social justice by adopting the following policies:

- Lack of discrimination on the basis of caste, creed, sex, religion, nationality etc.
- Proper development of communication skills
- Community outreach health programs to create awareness of the community problems.

3.6.10 How does the institution align itself with the annual themes/programs of WHO/ICMR?

- The institute is following all the Guidelines of World Health Organization & Ministry of Health, Central Government.
- Community Medicine faculty, PGs, Interns and UGs are consistently involved in creating awareness to the annual themes of WHO.
- Recently a Quiz on Diabetes was held on World health day, 7th April 2016 by the Department of Community Medicine with active participation of the students and faculty.
- Institutional Ethics Committee guides the researcher to the norms prescribed by ICMR

3.6.11 What is the role of the institution in the following extension activities?

Community outreach health programs for prevention, detection, screening, management of diseases and rehabilitation by cost effective interventions.

Community outreach health programs for prevention and control of diseases and screening is done by the department through rural and urban health centers and various health camps which are organized. For BPL patients the treatment and investigation is free of cost and for others it is at a concessional rate.

Monthly meetings are held at Anganwadi with AWW and ANMs. Health talks are given to expectant mothers, adolescents. Camps too are organized for detecting disease conditions and also for management of micronutrient deficiencies like Iron deficiency anemia, Xerophthalmia, diabetes.etc.

Awareness creation regarding potable water supply, sanitation and nutrition

Community Medicine faculty, PGs, InternsUGs are consistently involved in creating awareness regarding potable water supply, sanitation and nutrition by health awareness camps in the urban slums & rural area. Method to chlorinate potable water, use of sanitary toilets and hand washing is emphasized. Institute has participated in anemia and malnutrition detection projects along with Government agency.

The Department celebrated Nutrition week with enthusiastic participation from undergraduate students and general population. Women and children were sensitized about the different Nutritional programs run by the Government.

Project work is undertaken by Interns among school children, adolescents and pregnant mothers residing in the field practice area of the Hospital.

Chlorination of drinking water & awareness regarding cleanliness are conveyed to the local population by our students as a part of “Swachh Bharat Mission”.

Awareness creation regarding water-borne and air-borne communicable diseases: Our Faculty & PGs are engaged in creating awareness in the community.

There is licensed Government DOTs centre for detection & treatment of Tuberculosis in our Hospital.

Core-committee meetings are held quarterly with District Tuberculosis Officer & regular supervision is done under DOTs for the patients. MDR TB cases are referred to District Tuberculosis Hospital.

Use of toilets, prohibition of open field defecation, minimum use of plastics importance of overcrowding & ventilation are emphasized among villagers by our PGs & Interns to try and keep the water bodies in their residential area clean.

Recent changes in Immunization schedule have been adopted.

Interns are engaged in creating awareness in the villages regarding water-borne diseases via poster exhibitions.

Awareness creation regarding non-communicable diseases- cardiovascular diseases, diabetes, cancer, mental health, accident and trauma etc.: Counseling for lifestyle modification is an integral part of teaching and learning at the RHTC & UHTC.

Health camps were conducted for Geriatric population for detection of diabetes & hypertension. A follow-up program was also organized later.

Quiz on Diabetes was held on World health day, 7th April 2016 by the Department in which Undergraduate & Postgraduate students actively participated.

Awareness creation regarding the role of healthy life styles and physical exercise for promotion of health & prevention of disease:

Awareness regarding life style diseases, nutrition, diet, healthy lifestyle, hazards due to tobacco, alcohol, junk food etc., are repeatedly conveyed through health education in schools & community.

Sessions are organized for School children whereby importance of exercise & necessity of a healthy lifestyle and well being are discussed with them.

Awareness is also created through celebration of various health days by organizing quizzes, debates, seminars etc.

Awareness creation regarding AYUSH systems of medicines in general and / or any system of medicine in particular: Institution promotes only Modern Medicine (Allopathic)

Complementary and alternative medicine: Institution practices Modern Medicine (Allopathy)

Pharmaco-economic evaluation in drug utilization: This is often carried out by hospital administration department and pharmacy department as a feedback on services.

Participation in national programs like Family Welfare, Mother & Child Welfare, Population Control, Immunization, HIV AIDS, Blindness control, Malaria, Tuberculosis, School Health and anti-tobacco campaigns, oral health care etc.

The Institution actively participates in all the national programs mentioned above and in most cases it partners the Government to make these programs a success.

Promotion of mental health and prevention of substance abuse: The psychiatry department Faculty and PG Students provide not only treatment but counsel patients to promote mental health and against substance abuse. An ongoing De-Addiction campaign is being run at our RHTC, We have set up provisions for counseling sessions for the identified alcoholics, providing them necessary motivation & follow up. Also, we have tied up with NGO's for referral services for those who require admission and prolonged behavioral correction monitoring.

Adoption of population in the geographical area for total health care: A number of villages, namely Khudel, Bouliya, Moradhhat and Double chouki, have been adopted to provide free medical facilities for the treatment of expected mothers, children, and neonates.

Research or extension work to reach out to marginalized populations.

Community oriented projects are done round the year by the Department to promote the ongoing Government Health Programs.

The practices adopted by the Department are revolving around Interns who are posted for 2 months in the Department. Projects are taken up in the rural and urban field practice area, where these Interns under guidance of Faculty & PG students conduct surveys/camps/health education/practice curative medicine.

The achievements are like:

- a. Collection of sanitary napkins by adolescent girls/their mothers from AWWs/ASHA after our project work.
- b. Increase in coverage percentage in Immunization among rural population where projects were done.
- c. Adoption of exclusive breast feeding and initiation of breast feeding within 3 hours of delivery for utilization of colostrums by lactating mothers after Antenatal & Postnatal education are encouraging evidences.
- d. The department has been conducting Nutritional surveys & assessing the Health status of school children in various local schools in urban slums. Regular de-worming, hygiene monitoring as well as facilitating handwashing & its importance among young boys & girls is being regularly done. In the past four years, we have been successful in checking the rate of Open Field Defecation among school going age group & in ensuring establishment of hygienic toilets within nearby villages.
- e. In ongoing Vitamin-A prophylaxis program, we are targeting our Rural Villages & assessing existing ocular & extra-ocular deficiency manifestations among children & providing necessary corrective measures. This is part of National Health Program.
- f. Research methodology is taught to the Interns. The results of our departmental projects and surveys are published in various recognized International & National journals once the data is compiled.
- g. In association with the Government of M.P, our PG students & Interns have successfully run a Health camp with emergency services during Simhastha Mahaparv at Ujjain during April-May, 2016 at the Mahakaleshwar Temple Premises.
- h. The Departments are following the Guidelines of World Health Organization & Ministry of Health, Central Government.
- i. Professors from other esteemed Medical Colleges visit us to deliver Guest Lectures & this promotes exchange of Medical knowledge & expertise.

3.6.11 Do the faculty members participate in community health awareness programs? If yes, give details.

Faculty members of community medicine department organize and participate in various health awareness activities as detailed above. Regular health camps are organized with the participation of the faculty from all the clinical departments.

3.6.12 How does the institution align itself and participate in National program for prevention and control of diseases?

Health Camps, surveys, Seminar, health talks, quizzes etc are organized as per National Programs and WHO days to facilitate the prevention and control of diseases.

3.7 Collaborations

3.7.1 How has the institution's collaboration with other agencies impacted the visibility, identity and diversity of campus activities? To what extent has the institution benefitted academically and financially because of collaborations?

Institution permits Faculty members to carry out his/her research work with the faculty of other institutions. This facilitates the process of improvements in the academic activities. We have official collaborations with some institutes such as:

- Govt. Model Autonomous Holkar Science College, Indore (M.P.) for research work,
- Bombay Hospital, Indore for the training of basic sciences to DNB students
- Indian Institute of Head & neck oncology, Indore at Rau for radiotherapy
- Central Lab-Oncequest Laboratories Ltd., Indore for the laboratory work
- Lal Pathology Labs, Indore. for the laboratory work

Beside these institutions we also have collaboration with diverse agencies like other hospitals of the city, General Practitioners, NGOs, Old age homes and social clubs.

The institute has gained visibility and identity and more patients are referred to the institution for treatment. It also gets benefited academically in the Research work of UG and PG students.

3.7.2 Mention specific examples of how these linkages promote

- * Curriculum development
- * Internship
- * On-the-job training
- * Faculty exchange and development
- * Research
- * Publication
- * Consultancy
- * Extension
- * Student placement
- * Any other (specify)

Curriculum development: It improves the teaching-learning procedures, clinical understanding and research work

Internship: Students get opportunity to join the internship in other institutes and students of other college are permitted for internship in our institute

On-the-job training: Not applicable for the students

Faculty exchange and development: Faculty gets the opportunity to visit and interact with the faculty of other institute. Faculties also get an opportunity of delivering lectures in other institute.

Research: Hospital increases the scope of study by covering other sections of the society and dissertation data collection.

Publication: Knowledge acquired helps in research publication.

Consultancy: The hospitals refer patients to the institution for tertiary level treatment.

Extension: Outreach programs at various community centers.

Student placement: Students get better opportunity of service in these institutions after completion of their study.

3.7.3 Has the institution signed MoUs or filed patents with institutions of national/international importance/other universities/industries/corporate houses etc.? If yes, how have they enhanced the research and development activities of the institution?

The institution has signed MoUs with following institutions:

- Govt. Model Autonomous Holkar Science College, Indore (M.P.) for research work,
- Bombay Hospital, Indore for the training of basic sciences to DNB students
- Indian Institute of Head & neck oncology, Indore at Rau for radiotherapy
- Central Lab-Oncequest Laboratories Ltd., Indore for the laboratory work
- Lal Pathology Labs, Indore. for the laboratory work

The institute has gained visibility and identity and more patients are referred to the institution for treatment. It also gets benefited academically in the Research work of UG and PG students. The faculties got the opportunity to deliver the lectures in other institutes.

3.7.4 Have the institution-industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

As such there's no institution-industry interaction but we have established a well equipped Central research laboratory to serves the need of many departments.

3.7.5 Give details of the collaborative activities of the institution with the following:

- * Local bodies/ community
- * State government / Central government /NGOs
- * National bodies
- * International agencies
- * Health Care Industry – Biomedical, Pharmaceutical, Herbal, Clinical Research Organization (CRO)
- * Service sector
- * Any other (specify)

Local bodies/ community: Various health camps and community surveys are organized in collaboration with the local community.

State government / Central government /NGOs: The institute is actively assisting in all the programs of state and central government with special mention of:

- RNTCP-DOT centre
- National Aids Control Organization(NACO)
- National Vector Borne disease control programs
- National Immunization programs
- Janni Suraksha Yojana
- Vitamin A prophylaxis program
- Prophylaxis against nutritional anemia
- National family welfare program
- Reproductive and child health program
- National Rural Health Mission

3.7.6 Give details of the activities of the institution under public-private partnership.

There's no PPP (public-private partnership) model.

CRITERION-IV

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 How does the institution plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

The institution has a Planning and Monitoring Board which plan for the short and long term goals of infrastructure development taking into account the norms of the regulatory bodies and the requirements of the staff, students and residents of the campus.

The college has a spacious campus of **57 acres**. The infrastructure is designed for meeting all the necessary requirements of the statutory councils. & the facilities provide for effective transaction of the teaching –learning process, health care & research.

The campus has well-laid out roads, pavements, street lights, CCTV, surveillance cameras, adequate provision for vehicle parking, open green spaces and manicured lawns resulting in an attractive and desired ambience as expected in institutions of higher learning.

Infrastructure details are as follows:

- Total area : 57 acres
- Built up area: 1,26,028, Sq. meters.
- Open space: 1,32,755 Sq. meters.
- Lawn area: 43, 660 Sq. meters.
- No. of trees: 2096
- Parking capacity: 1200 two wheelers, 120 four wheelers.
- Total area under new construction: 12,805 Sq. meters.
- New staff quarters : 4000 Sq. meters.

Master plan of the campus with the existing and future planned infrastructure is enclosed.

4.1.2 Does the institution have a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.

- The creation and enhancement of infrastructure has been a continuous process designed to meet the growing needs of academic requirements
- The institution provides excellent auditoria, lecture halls, seminar halls

and clinical teaching facilities in the affiliated hospitals that are fully ICT enabled for a very high quality teaching-learning experience for its students

- E-learning module for access by all students & faculty has been recently established in-house & is used extensively. ICT accorded high priority in all teaching learning activities and there is a constant endeavor for improving IT and computer infrastructure with dedicated annual funding
- Library services are a key result area and there is constant effort to bring it up to a very high standard. A substantial annual funding is ensured for library and e-learning resources
- Co-curricular, extra-curricular activities and sports are provided for all round development of students. Sports infrastructure of a good standard has been provided to students. Fine arts, literary activities, student scientific society and adventure club activities are encouraged and funded adequately
- Adequate funding is ensured for repair, maintenance, additions and alterations to existing buildings
- Standard Operating Procedures are in place for demand initiation, processing and procurement training and patient care related equipment

A few recent creation and enhancement of infrastructure in last four years are:

- Postgraduate hostel blocks with 16.48 and 40 flats of 1 BHK and 56 rooms.
- Two multistory residential complexes each with 16, 2 BHK flats
- Two hi-tech modular advanced OTs for neurosurgery and joint replacement surgery.
- Basketball Court
- New auditorium of capacity more than 1000

4.1.3 Has the institution provided all its departments with facilities like office room, common room and separate rest rooms for women students and staff?

Yes. The institution has provided all its departments with facilities like office rooms, common rooms and separate rest rooms for women students and staff.

4.1.4 How does the institution ensure that the infrastructure facilities are barrier free for providing easy access to college and hospital for the differently-abled persons ?

The institution ensures that the infrastructure facilities are barrier-free and provide easy access to the college and hospital premises for differently-abled

persons. Separate parking spaces close to the college/hospital entrances have been reserved for them. Adequate ramps, wheelchairs and lift facility is available for smooth and easy mobility of differently –abled persons.

4.1.5 What special Facilities are available on campus to promote students' interest in sports and cultural events/activities?

The institution has developed the facilities for indoor and outdoor games. The facilities are available for various field games such as Foot Ball, Hockey, Cricket, outdoor courts games like basket ball, Volley ball, Ring tennis / throw ball, Indoor Courts like Badminton, Indoor games such as Chess, Carrom, and table tennis. Students are encouraged to utilize the facilities to maintain a healthy body.

4.1.6 What measures does the institution take to ensure campus safety and security?

- To ensure the safety and security of campus there is a Security Officer with 54 trained guards working at well conceived check points which include the hospital, college and hostels. The security team also has a fire-fighter at its disposal with 10 trained personnel for operation. The security guards are provided with CUG (close user group) mobiles for seamless communication.
- CCTV cameras are placed at strategic locations throughout the campus.
- Entry is restricted for vehicles and the staff vehicles are provided with identification stickers.
- Identity cards are provided to all students, staff and employees.
- Staff and students attendance is regulated by the biometric attendance system.
- For women's safety helpline numbers are displayed on all notice boards and in prominent place

4.1.7 Facility of Animal House

Is animal house maintained as per CPCSEA guidelines?

Yes. All CPCSEA guidelines are followed. Animal house is registered with provisional CPCSEA registration number 1580/PO/a/11/CPCSEA. Process of renewal for 5 years duration is in process.

Whether records of animal house are maintained for learning and research activities?

Yes, as per prescribed norms of Medical Council of India / Indian council of medical research, the records of animal house are maintained for learning and research activities.

Does the animal house have approval for breeding and selling experimental animals as per CPCSEA guidelines?

The animal house is neither approved nor used for breeding and selling experimental animals.

4.1.8 Provide the following details on the use of laboratories / museums as learning resources:

- Number
- Maintenance and up-gradation
- Descriptive catalogues in museums
- Usage of the above by the UG/PG students

The institute has well developed labs for diagnostic and research work in hospitals such as labs for Clinical biochemistry, endocrinology, surgical pathology, cytology, hematology, clinical pathology, bacteriology, serology, mycology, TB, parasitology, radio-diagnosis. Additionally there are 23 Laboratories and 14 museums in the institute as learning resource for UGs and PGs

Department wise status of teaching Labs & Museum

Department	Description of Labs	Total Number of Labs	Number of Museum
Common to all departments	Central Research Lab Communication skill Lab	2	
Anatomy	Dissection hall & research lab	2	1
Physiology	Experimental, hematology, clinical & human, mammalian, research	5	1
Biochemistry	UG Lab PG research Lab	2	

Department	Description of Labs	Total Number of Labs	Number of Museum
Pharmacology	Experimental, chemical, clinical and research Lab	4	1
Pathology	UG Lab PG research Lab	2	2
Microbiology	UG Lab PG research Lab	2	1
Forensic Medicine	UG Lab Research Lab	2	1
Community Medicine	UG Lab PG research Lab	2	1
Surgery			1
Orthopedics			1
Pediatrics			1
ENT			1
Anesthesia			1
Radiodiagnosis			1
Total		23	14

Maintenance and up-gradation:

- Standard operating procedures are displayed and followed in all the laboratories.
- House-Keeping and Maintenance departments take care of the general maintenance.
- Qualified technicians owe the responsibility of maintaining the equipment and instruments.
- The computers and software are maintained by trained personnel of the IT department.
- Up-gradation of all the above departments is done as per the requirement.

4.1.9 Dentistry

- Dental chairs in clinic – specialty wise * Total dental chairs
- Schedule of chair side teaching in clinics – specialty wise * Number of

- procedures in clinics per month and year
- Mobile dental care unit
- Facilities for dental and maxillofacial procedures * Dental laboratories

There is a separate Dental College, as a sister concern in the same campus with all the facilities and recognition by the Dental Council of India. The infrastructure, faculty, and hospital staff are shared by the institution.

4.1.10 Pharmacy: Pharmacy is available within hospital campus with sufficient stocks of essential drugs.

4.1.11 Yoga and Naturopathy: Students are encouraged for the Yoga and classes are organized periodically in the college premises.

4.1.12 Homoeopathy: Not applicable

4.1.13 Nursing: All the facility for nursing care is available as per the norms of MCI. Every ward has a Nursing Station and the entire requisite for the proper nursing care. There is a Nursing college as sister concern in the campus itself, which is recognized by Nursing Council of India.

4.1.14 Ayurveda: Not applicable

4.1.15 Does the institution have the following facilities? If so, indicate its special features, if any.

Meditation Hall : No

Naturopathy blocks: No

4.1.16 Provide details of sophisticated equipments procured during the last four years.

The sophisticated equipments purchased in last four years are as follow:

Department	Equipments
Pathology (Blood bank)	Single donor aphaeresis Machine
Pathology	Pentahead microscope, immunohistochemistry, hemoglobin electrophoresis, automated microtome, automated tissue processor, elan 30 S based on ELISA for hormones, 5 part cell counter, tumor markers
Microbiology	Real time PCR, Biosafety level 2 cabinet

Department	Equipments
General Medicine	Endoscope, colonoscope, 2D ECHO, ventilators, Cath lab, cardiac monitors, BiPEP- CPEP
Radio diagnosis	CT scan 128 slice, MRI 0.3 Tesla, 4D color Doppler
Pulmonary Medicine	Bronchoscope, Polysomography
Pediatrics	Bubble-C-pep
General Surgery	Urethroscope, laproscope
Orthopedics	C-arm, synthase drill machine
Obs.& Gynecology	Hysteroscope, colposcope, ICSI for IVF
ENT	FESS, BERA, Impedance audiometer, OAE, ENG
Ophthalmology	Operating Zeiss microscope, NDR laser, ABP scan
Psychiatry	ECT, EEG Machine
Anesthesia	Work station
Dermatology	Fraction CO ₂ laser, PUVA

4.2 Clinical Learning Resources

4.2.1 Teaching Hospital

- Year of establishment : 2007
- Hospital institution distance: In close proximity with in the same campus
- Whether owned by the college or affiliated to any other institution?: Owned by college
- Are the teaching hospitals and laboratories accredited by NABH, NABL or any other national or international accrediting agency? : No
- Number of beds : 1100
- Number of specialty services: 15 (General Medicine, Pulmonary medicine, Psychiatry, Dermatology, Surgery, Obstetrics & Gynecology, Pediatrics, Anesthesia, Orthopedics, ENT, Ophthalmology, Pathology, Microbiology, Biochemistry and Radio diagnosis)
- Number of super-specialty services: 09 (Neurology, Endocrinology, Cardiology, Plastic Surgery, Pediatric surgery, Onco-surgery, Cardio-vascular surgery, G.I. surgery, and Orthoplasty)
- Number of beds in ICU / ICCU / PICU / NICU, etc.

	No. of beds
ICU	06
ICCU	05
PICU	06
NICU	07
RICU	06

- Number of operation theatres: 15
- Number of Diagnostic Service Departments⁴ (Pathology, Biochemistry, Microbiology, Radiology)
- Clinical Laboratories: side labs in clinical wards for routine clinical work.
- Service areas viz. laundry, kitchen, CSSD, Backup power supply, AC plant, Manifold Rooms, pharmacy services: All are Available. Laundry with Automated Machinery, CSSD with 3 Steam Sterilizers and ETO machine, 4 generators of 750 KV with auto switch on-off facility to back up whole campus load. UPS power supply in areas with sensitive equipments.
- Blood Bank services: Licensed blood bank is available, which has been up graded with component separation facility.
- Ambulance services: Available. 24x7 with Driver on duty. Provided free of cost to retrieve patients in emergency and at nominal charges to transfer patients to higher centers.
- Hospital Pharmacy services: Pharmacy is available within hospital campus with sufficient stocks of essential drugs.
- Drug poison information service: Drug advisory services are available from Pharmacology Dept.
- Pharmacovigilance: Separate Pharmacovigilance cell is active to facilitate the reporting of ADR (adverse drug reaction)
- Mortuary, cold storage facility: Available in Anatomy Dept.
- Does the teaching hospital display the services provided free of cost? Yes, it is displayed.
- What is the mechanism for effective redressal of complaints made by patients?
- Complaint / suggestion box are provided in hospital campus.
- Complain contact numbers are also displayed at different places.
- The complaint is noted in a complaint register by the operator and forwarded immediately to the concerned dept. and the Medical Superintendent.
- A feedback call is made to complainer for apology or explanation.
- The PRO actively assists the patients and relatives in hospital.

- The Medical Superintendent. Asst. Medical Superintendent, take rounds of hospital in the morning to take direct feedback and to solve the problems of patients.
- Give four years statistics of inpatient and outpatient services provided.

Year	OPD	IPD
2015	591076	44320
2014	538415	38953
2013	503771	33486
2012	426904	26628

- Does the hospital display charges levied for the paid services? Yes, the charges are displayed.
- Are the names of the faculty and their field of specialization displayed prominently in the hospital? Yes they are displayed in the hospital in all departmental OPDs and Wards areas.

Is pictorial representation of the various areas of the hospital displayed in a manner to be understood by illiterate patients?

Yes, Signage and pictorial representation of the various areas of the hospital is displayed in a manner to be understood even by illiterate patients.

- Is there a prominent display of ante-natal, mother and child health care facilities? Yes, there is.
- How does the hospital ensure dissemination of factual information regarding rights, responsibilities and the health care costs to patient and the relatives/attendants?

There is a display board in the Central registration waiting area which states the "Rights & Responsibilities of Patients". Also there's display board showing the services of the hospital and their charges or if they are provided Free.

How does the hospital ensure that proper informed consent is obtained?

- Informed Consent is obtained before any procedure or admission, operation.
- Relevant forms in local language are given to the patients for consent and signature of patient with his/her relative as witness.
- The content of the form and procedure is explained to the patient and relatives by the competent authority.

Does the hospital have well-defined policies for prevention of hospital-acquired infections?

All hospital doctors and staff follow standard procedure to prevent hospital acquired infections.

Regular audits are carried out by Microbiology dept. and Hospital Infection control committee for the implementation of the corrective measures if required.

Does the hospital have good clinical practice guidelines and standard operating procedures?

Yes, every department has good clinical practice guidelines and standard operating procedures specific to their departments, which are displayed prominently.

Does the hospital have effective systems for disposal of bio-hazardous waste?

Yes, the hospital has outsourced the Bio Medical waste disposal to an agency named Hoswin Pvt. Ltd., Indore, which is duly authorized by the State Pollution Control Board.

How does the hospital ensure the safety of the patients, students, doctors and other health care workers especially in emergency department, critical care unit and operation theatres? Are the safety measures displayed in the relevant areas?

- The hospital has adopted the procedures for safety of the patients, students, doctors and other health care workers.
- These measures are directed for protection against needle stick injuries, back injuries, latex allergy, fire, violence, and stress.
- The strategy adopted is proper training of all health workers, provision of equipment and clothing for personal protection, Immunization (Hepatitis B), post-exposure prophylactic treatment, Incident Reporting and surveillance.
- Proper uniform and the precaution measures are practiced while treating patients.
- Fire extinguishers are available at prominent places in hospital.
- The safety measures are prominently displayed in the relevant areas.

How are the Casualty services/Accident and Emergency Services organized and effectively managed?

There is a 25 bedded, well equipped Emergency (Casualty) department to take care of all the emergency services. The casualty has the minor operation theatres, Trauma ICU, Ventilators, Monitors, Disaster Trolley, Crash Carts, Central Gas system and Casualty Medical officers on 24x7 duty as well as Resident doctors of all major specialties on duty.

Whether the hospital provides patient friendly help-desks at various places?

Yes, there are help desks provided at different places.

Does the hospital have medical insurance help desk?

Presently not available

What are the other measures taken to make the hospital patient friendly?

- There is well ventilated OPD and IPD with clear signage and direction in Hindi
- Optimum Cleanliness and hygiene is maintained in the premises.
- All the consultation is Free, Indoor services, investigations (Pathological and Radiological) and operative services are provided with highly concessional rates. There's also a provision for exemption of charges for an unaffordable BPL patient.
- In house pharmacy provides all the generic medicines at free of cost and others at concessional rates.
- Safe cold drinking water is provided at many places in hospital.
- Ramp facility, elevators and wheel chair are provided for the patients, senior citizens and differently-able people.
- Seating arrangements are provided for relatives and attendants of patients
- Required help and guidance is provided at the reception, Help Desks and all staff is uniformed so identified and available for guidance.
- A Green & Clean Campus is promoted with a lot of tree plantation work and gardens.

How does the hospital achieve continuous quality improvement in patient care and safety?

Continuous Quality Improvement is a culture that is adopted. Every department has been instructed to prepare and maintain the quality norms as per NABH. The institute is shortly proceeding for getting accreditation by NABH.

What are the measures available for collecting feedback information from patients and for remedial actions based on such information?

Special designed feedback forms are to be implemented to analyze the gap.

Presently there is Complaint/suggestion box at prominent places and appropriate action is being taken to resolve the complaints.

How does the institution ensure uniformity in treatment administered by the therapists?

- The hospital functions in Unit Pattern and the treatment protocols is decided by the unit head and followed in the unit likewise.
- Regular CME programs and Academic meets are held to upgrade the knowledge of faculties.
- The Unit and the departmental faculty and resident are involved in so many academic activities like journal club, seminars, clinical case presentation and group discussions that update their knowledge and ensure the uniformity in the treatment.
- The therapists are directed to practice Evidence Based Medicine.

Does the institution conduct any orientation training program for AYUSH-based para-medical staff?

No, the institution is only for allopathic medicines.

4.2.1 What specific features have been included for clinical learning in the out-patient, bedside, community and other clinical teaching sites?

Imparting best quality medical education and the best feasible health care is the goal and mission of the institution. The specific features included for the clinical learning are:

The students undergo vigorous preclinical training under the guidance of well qualified faculty followed by observing the clinical procedures and then perform the guided clinical procedures.

Out-patient clinic:

There is facility to directly observe all OPD consultations, Procedures, and Examinations.

The PG students are directly involved in the procedures and learn hands on while UG students learn through observation.

The students are continuously monitored by a Clinical faculty during the clinical posting.

Log-books are maintained by the students in which they record the case study.

The students discuss the case with clinical supervisors

Bed-side clinical learning:

The UG students are accompanied by a faculty during bedside training in the hospital. The faculty guides the students during assessment and treatment of ICU & ward patients. The students record the treatment performed in case sheets.

Community Learning:

UG students during their posting in Community medicine, and PG students on OPD deputations to the rural and urban health centres, and Medical camps, interact with the community to learn the epidemiological aspects of diseases

Other: The Operation Theatres are especially designed and equipped to facilitate teaching, to see the live surgery as well as to interact with the surgeons.

Library as a Learning Resource

4.3.1 Does the library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been implemented by the committee to render the library student/user friendly?

Yes, the advisory committee for the Library consists of the following:

- Chairperson: Dr. Manila Jain, Professor & Head, Physiology
- Members
 - Dr. Deepak Sharma, Professor of Medicine
 - Dr. Vineet K. Gohiya: Professor of Anatomy
 - Dr. Aarti Sahasrabudhe: Associate Professor of P.S.M.
 - Dr. Tulika Joshi: Asst. Professor of Obs/Gyn
 - Dr. Megha Agrawal: Tutor in Pathology

The main responsibilities of this committee are to gather the requisite of various departments and advice to procure books and journals for up gradation of the library. The institution believes that a library is a heart of medical education and the medical library assumes increasing importance to teaching and research, and the library gives a fabulous learning environment. College has central and departmental libraries

4.3.2 Provide details of the following:

- Total area of the Central Library: 2416.13 Sq.Mts

- Total seating capacity:over 460
- Working hours:
 - Inside reading room is open 9 AM to 9 PM
 - Outside reading room is open 24 hrs (all days including holidays)
- Layout of the library:
- There are different sections like inside reading room, outside reading, faculty reading room, PG reading room, room E-Library (with 40 Terminal),audiovisual section, book processing section, book binding section, separate rooms for library staff, passages etc.
- Clear and prominent display of floor plan; adequate sign boards; fire alarm; access to differently-abled users and mode of access to collection. Yes, available
- List of library staff with their qualifications

S.No.	Name	Qualification	Designation
1	Ravish Verma	M.Lib. & I. Sc.	Librarian
2	AartiPardeshi	M. Lib. & I.Sc.	Deputy Librarian
3	Anita Agnihotri	M. Lib. & I.Sc.	Documentlist
4	Dilip Chouhan	B.Lib & I.Sc.	Cataloguer
4	Harisingh Jadhav	Higher secondary	Library Assistant
5	Rajendra Rajbhar	Higher secondary	Library Assistant
6	Vikas Choudhary	Higher secondary	Library Assistant
7	Arjun Choudhary	Higher secondary	Library Assistant
8	Arun Arya		Daftary
9	Amar singh		Peon
10	Prabhu bai		Peon

4.3.2 Give details of the library holdings :

Print (books, back volumes, theses, journals):

- Total No of Books – 15670
- Text Books – 9911
- Reference Books- 5575
- Journals – 100(Bind Journals- 344)

- Thesis- 42

Average number of books added during last four years: 4102

Non print (Microfiche, AV) – 717

Electronic (e-books, e-journals)- available

Special collections (e.g. text books, reference books, standards, patents) as per the details given above

Book Bank – not available

Question Bank – not available

4.3.4 To what extent is ICT deployed in the library?

The Wi-Fi facility and internet access is deployed in the library that is a significant development in proper utilization of information to facilitate the teaching, learning and research process.

Give details with regard to

- Library automation- In process
- Total number of computers for general access- 40
- Total numbers of printers for general access - 1
- Internet band width speed – 2 mbps
- Institutional Repository- PG dissertation submitted by PG students
- Content management system for e-learning – not available
- Participation in resource sharing networks/consortia (like INFLIBNET) – not available

4.3.5 Give details of specialized services provided by the library with regard to

Manuscripts – Not available at present

Reference - YES

Reprography / scanning – YES

Inter-library Loan Service – Not available at present

Information Deployment and Notification – YES

OPACS – Under process

Downloads - YES

Print outs - YES

Reading list/ Bibliography compilation - YES

In-house/remote access to e-resources – Yes

User Orientation – yes, the new students are oriented when they join the institute, towards reading habit, rules and regulations, library resources, infrastructure facilities, time schedule, circulation of books, assistance rendered by the library staff.

Assistance in searching Databases- Yes, faculty and students are assisted for the search on the databases.

INFLIBNET/ HELINET – NO

4.3.5 Provide details of the annual library budget and the amount spent for purchasing new books and journals.

The annual amount spent in last 4 years for the purchase of new books and journals in last 4 years is as follow:

Library Holdings	Year-2012		Year-2013		Year-2014		Year-2015	
	Number	Total cost	Number	Total cost	Number	Total cost	Number	Total cost
Text books	131	279392	916	3787670	383	1971042	258	1560872
Reference Books	111		400		311		102	
Journals	100	1025089	104	1100450	101	1187650	102	1247800

4.3.6 What are the strategies used by the library to collect feedback from its users? How is the feedback analyzed and used for the improvement of the library services?

The library gets the feedback from its users in the form of complaints, suggestions and recommendations. The Library staff analyses these complaints & suggestions for appropriate action. Such feedback is used for rendering the library user friendly.

4.3.7 List the efforts made towards the infrastructural development of the library in the last four years.

There has been development of Wi-Fi Facilities, New Book Stack Area (A.C.), and reading room. Library Automation is in progress.

4.4 IT Infrastructure

4.4.1 Does the institution have a comprehensive IT policy with regard to:

- IT Service Management
- Information Security
- Network Security
- Risk Management
- Software Asset Management
- Open Source Resources
- Green Computing

Yes, the institute has an IT Policy for:

- a) **IT Service Management:** there's an IT Section to look after the Software development, IT requirements and its maintenance.
- b) **Information security:** To secure the unauthorized use sharing of password with any other person is prohibited. Editing, Copying or deleting files which are belonging to other users without their prior consent is prohibited. Finger Print Machines are password protected and can be access by HR admin only.
- c) **Network Security:** Internet usage is limited to access educational purpose. The entire Wi-Fi routers are password protected.
- d) **Risk Management:** Several measures such as UPS facility, Parallel server for data mirroring, Backup of data, and anti-virus software are installed.
- e) **Software Asset Management:** User may not duplicate any licensed software or related documentation for use and also can not give licensed or copyrighted software to any external parties.
- f) **Open Source Resources:** Wherever practically possible, users are supposed to use opensource applications.
- g) **Green Computing:** The institute is aware of the adverse environmental impact of information technology. Hence various procedures are being adopted:
 - Users are instructed to turn off the computers when they are not in use.
 - Users are directed to print the documents only when they are absolutely necessary. They are also requested to use two-sided printing options.

- Users are encouraged to reduce paper usage by sending the data through email rather than making correction on paper.
- Use of liquid-crystal-display (LCD) monitors rather than cathode-ray-tube (CRT) monitors is now preferred. n computer labs.

4.4.1 How does the institution maintain and update the following services?

- Hospital Management Information System (HMIS)
- Electronic Medical Records System (EMR)
- Digital diagnostic and imaging systems including PACS

Hospital Management Information System (HMIS): The Hospital is using Hospital Management Information System (HMIS) for the status reports of hospital statistics such as OPD and IPD records.

Electronic Medical Records System (EMR): The institution has installed Electronic Medical Record software to record and maintain the patient details. The various services provided through the software are as follows:

- Registration details of the Patient
- Admission / Discharge / Transfer
- Billing system
- Ward Functions
- Disease categorization as per ICD-10
- Bed occupancy details

Digital diagnostic and imaging systems including PACS: Presently the institute is not having PACS. The Hospital makes use of Web for Tele-imaging to get second opinion, if required. Department of Radio diagnosis has proposed four work stations for image display at distant sites. The proposal has been sanctioned and under process for the establishment.

4.4.2 Give details of the institution's computing facilities i.e., hardware and software.

- Number of systems with individual configurations:74 systems with dual core, 500GB HDD/ 1 GB RAM /18.5 ”LCD monitors
- Computer-student ratio: 1:19, in addition Students UG & PG are using their own laptop devices
- Dedicated computing facilities
- LAN facility: LAN facility is enabled in all the departments throughout the campus
- Wi-Fi facility: Wi-Fi facility is enabled in library and the campus
- Proprietary software : Licensed software for Microsoft Windows XP/Windows7/Windows8/Ms office/windows servers/Antivirus and firewall

- Number of nodes/ computers with internet facility:20
- Any other (specify): All the departments in the College have computers of their own. In addition, all the administrative departments of this institution are full equipped with E-learning Facility, personal computer, Overhead projector. Etc

4.4.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- Installation of LCD projectors in all classrooms
- CCTV surveillance
- Increasing the bandwidth of Internet connectivity in a phased manner as per requirement.
- Providing Wi-Fi facility in entire campus to include Residential areas and hostels.

4.4.5 Give details on access to on-line teaching and learning resources and other knowledge and information database/packages provided to the staff and students for quality teaching-learning and research.

- E-library.
- Wi-Fi facility so that the students and faculty can access online journals, and other learning resources inside the campus from their laptops.
- All Departments are equipped with LAN facility.

4.4.6 What are the new technologies deployed by the institution in enhancing student learning and evaluation during the last four years and how do they meet new / future challenges ?

Newer technology deployed for:

1. Student learning

- Up-gradation of internet facility
- Wi-Fi facility
- LAN facility
- ICT enabled classrooms
- Upgrading the computer facility in all the departments

Evaluation

- 2.** Video recording of the examinations through CCTV

4.4.7 What are the IT facilities available to individual teachers for effective teaching and quality research?

I.T. Facility available:

- E-library
- Computers and multi-media facility.
- High speed broadband internet connection.
- Latest software

4.4.8 Give details of ICT-enabled classrooms/learning spaces available within the institution. How are they utilized for enhancing the quality of teaching and learning?

There are 5 class rooms of 200 capacities, each one is provided with CPU, LCD/OHP projectors with screen.

Audio-visual aids including videos, images, cases and other related medical information enhance students learning

4.4.9 How are the faculty assisted in preparing computer-aided teaching-learning materials? What are the facilities available in the institution for such initiatives?

Faculty is assisted by:

- IT department staffs on computer related issues
- Librarian and library staff to help in search of study materials
- Medical Education Unit in guiding the preparation of the teaching learning materials

4.4.10 Does the institution have annual maintenance contract for the computers and its accessories?

Annual maintenance contract for maintenance of computers and accessories is with IT department of the institute.

4.4.11 Does the institution avail of the National Knowledge Network (NKN) connectivity? If so, what are the services availed of ?

No

4.4.12 Does the institution avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?

The institution encourages the use of such credible on-line resources of learning.

4.4.13 Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the institution.

Yes, there is provision in the annual budget for the update, deployment and maintenance of computers in the institution.

4.4.14. What plans have been envisioned for the transfer of teaching and learning from closed institution information network to open environment?

The institution is planning for transfer of teaching and learning from closed institution information network to open environment by providing Wi-Fi connectivity in the entire campus. The students will be free to access & download any educational material from the internet. Besides this a few departments has developed specialized online facebook teaching with open accessibility to all the interested students and medical faculty.

Maintenance of Campus Facilities

4.5.1 Does the institution have an estate office / designated officer for overseeing the maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

Yes, the institute has estate office that owes the responsibilities of maintenance of all buildings, class rooms and laboratories. The department has a workshop with welders, carpenters, plumbers and helpers for maintenance. Well developed infrastructure and green campus of the institute is the outcome of their efforts.

4.5.2 How are the infrastructure facilities, services and equipments maintained? Give details.

There is a full time Estate Officer who oversees the maintenance of buildings and supervises the following services:

- **Civil and engineering maintenance departments:**The civil and engineering maintenance department is headed by a qualified senior engineer and he is responsible for maintenance of all buildings, roads, water supply and new construction. The department has a workshop with welders, carpenters, plumbers and helpers for maintenance.
- **Electricity supply:**Electrical engineers supported by electricians maintain all electric appliances which include lighting, fans, geysers, air conditioners and all electrical instruments and gadgets. They are responsible for uninterrupted power supply and maintenance of all distribution lines, cables, panels, transformers and DG sets.
- **Environmental protection office:**A qualified environmental officer has been appointed for ensuring proper disposal & treatment of waste, effluents & sewage. He is responsible for the proper maintenance of all

above. External facility of incinerator (off site) is available.

- **IT technicians:**A special IT technician dealing with all hardware related problems and their maintenance. All medical equipments, computers are maintained through annual maintenance contract.
- **Sanitary department:**Cleaning of hospital, office building, hostels wash rooms, roads and pavements etc. is carried out by the sanitary department.
- **Equipments:**The planning and monitoring board is responsible for repair and maintenance of the various electro-medical equipments. All major and sophisticated medical equipments are directly maintained by manufactures under annual maintenance contract.

4.5.3 Has the institution insured its equipments and buildings?

All major and sophisticated medical equipments are directly maintained by manufactures under annual maintenance contract.

Any other information regarding Infrastructure and Learning Resources which the institution would like to include: Nil

CRITERION-V

STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the institution have a system for student support and mentoring? If yes, what are its structural and functional features?

Yes, Students are supported in a number of ways.

Induction Program: The induction program is organized immediately after admission. It introduces the fresher to the course curriculum and assessment patterns, hostel facilities, library, sports complex, other amenities, security and redressal mechanisms and orients them with the student's charter.

The institute has adopted a **Mentor-mentee system**, where Teaching faculties are appointed as mentors and equal numbers of students are allotted to each mentor. Mentor meets his/her mentees once in a week in general or as and when required to resolve the academic, personal or social problems. Mentor also monitors the attendance and performance in formative and summative assessments with a full hearted support by counseling, advice and remedial measures.

5.1.2 Apart from classroom interaction, what are the provisions available for academic mentoring?

Problem solving sessions are arranged besides regular teaching for the slow learners.

The Mentor performs regular interaction with students placed under their guidance personally. The students are encouraged to share their personal problems and friendly environment is provided to make them comfortable to share those problems.

The Mentor maintains secrecy of any personal information and takes necessary corrective steps in consultation with senior staff.

5.1.3 Does the institution have any personal enhancement and development schemes such as career counseling, soft skills development, career-path-identification, and orientation to well-being for its students? Give details of such schemes.

Institute facilitates student progression to higher level of education towards

employment by conducting soft skill and aptitude skill training through Hospital postings, Guest lecturers & by conducting Training workshops/seminars/CMEs.

5.1.4 Does the institution have facilities for psycho social counseling for students?

Psychological Counselor is available on campus for students during office hours. This has helped the students to solve their psycho-social problems. Beside the counselor the institution has a Psychiatry department to take care of any major issue.

5.1.5 Does the institution provide assistance to students for obtaining educational loans from banks and other financial institutions?

The institute facilitates the process of getting scholarship from the state government and the other agencies for the needy students.

5.1.6 Does the institution publish its updated prospectus and handbook annually? If yes, what are the main issues / activities / information included / provided to students through these documents? Is there a provision for online access?

Yes, the institution publishes its updated prospectus and handbook. The handbook is made available to students in the beginning of the academic year. The information is also disseminated through the college website www.indexgroup.in.

The handbook provides information about:

- Malwanchal University and Index Medical College
- Vision and mission of the college
- Governing body details
- Organizational structure
- Various courses offered
- Key functionaries of the institute
- Fees and scholarship
- Rules and regulations of the college
- Teaching scheme, Course Curriculum, Evaluation plan
- Facilities and student support activities
- Zero tolerance policy against ragging and gender harassment
- Extracurricular activities and events.

5.1.7 Specify the type and number of institution scholarships / free ships given to the students during the last four years. Was financial aid given to them on time? Give details. (in a tabular form)

No such schemes available

5.1.8 What percentage of students receives financial assistance from state government, central government and other national agencies?

All the qualifying students of SC, ST, and OBC categories received financial assistance in form of scholarship from state government.

Number of students received Scholarship by Government of Madhya Pradesh in last few years:

Academic Year	S.C.	S.T.	O.B.C
2010-11	2	3	11
2011-12	-	2	11
2012-13	2	4	9
2013-14	1	2	25
2014-15	3	5	35
2015-16	1	3	19

5.1.9 Does the institution have an International Student Cell to attract foreign students and cater to their needs?

No, the institution does not have such cell.

5.1.10 What types of support services are available for

Overseas students:

There are no overseas students in institute at present.

Physically challenged / differently-abled students:

- i. During admission physically challenged students get seat reservation as per the Govt. & university norms.
- ii. Manual help is extended whenever they are in need.
- iii. Scribe assistance for writing examinations on request.

SC/ST, OBC and economically weaker sections:

- i. During admission the seats are reserved for SC/ST students as per the Govt. and University norms.
- ii. Scholarship from Government is arranged for the SC/ST students.

Students participating in various competitions/conferences in India and abroad

Students are regularly motivated and financially supported to participate in various competitions e.g. Annual national inter-medical event organized by AIIMS, New Delhi. Teams of students also participate in the academic quizzes organized by other institution.

Health centre, health insurance etc.

The institution has a full-fledged hospital where doctors of all the specialties are available regularly. Additionally Health Insurance scheme is available to students. There's provision of mediclaim to cover the accidents and health expenses of the students.

Skill development (spoken English, computer literacy, etc.)

- Central computer lab facility with 40 computers with highspeed internet connection is available during and beyond the workinghours for enhancing computer literacy among the students.
- Special classes and lab on the Communication skills, which is an important requirement for an efficient doctor, for undergraduate and postgraduate students.
- Preliminary English classes are arranged for the students from Hindi medium for better understanding of medical subjects.

Performance enhancement for slow learners

- Remedial classes for slow learners, which are identified from sessional examinations and monitoring of the performance on regular basis.
- Tutorial classes are conducted for better understanding of the subject.
- Question bank for each subject is used by the students for theory aswell as practical examination. University question paper solutions areprovided to students.
- Individual counseling by mentors and faculties of the department.

Exposure of students to other institutions of higher learning/ corporate /business houses, etc.

- Students are encouraged to participate in conferences, workshops &CMEsto improve their knowledge by interacting with students and teachers of other institutions.
- College organizes regular guest lecture by inviting eminent faculties from other institutes to update the knowledge and skills.

Publication of student magazines, newsletters.

- The institute publishes a student magazine 'Dhanwantari' regularly.
- Along with teachers, Students actively contribute scientific as well as nonscientific articles in its publication.

5.1.11 Does the institution provide guidance and/or conduct coaching classes for students appearing for competitive examinations (such as USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS)? If yes, what is the outcome?

- Students are guided for NEET/Pre PG entrance examinations, time to time during classes.
- Students are exposed to MCQs pattern tests after the completion of a particular topic in various departments.
- Students are allowed to pursue coaching for such competitive exams.

5.1.12 Mention the policies of the institution for enhancing student participation in sports and extracurricular activities through strategies / schemes such as

- additional academic support and academic flexibility in examinations
- special dietary requirements, sports uniform and materials
- any other (specify)

College encourages and motivates students to participate in various extracurricular activities. The necessary facilities are provided and adequate funds are allotted. The sports and cultural committees supervise the extracurricular activities and recommend for provision of:

- i. Financial assistance for travel
- ii. Financial assistance for registration of the event
- iii. Attendance privilege during the event
- iv. Conduct of special classes for the missed portions both in theory & practical.
- v. Special Uniform for sports participants
- vi. Special prizes & awards for winners of important tournaments sports

5.1.13 Does the institution have an institutionalized mechanism for student Placement? What are the services provided to help students identify job opportunities, prepare themselves for interviews, and develop entrepreneurship skills?

Faculty guide and motivate the students to prepare themselves for the competitive examinations for the future higher education and job opportunities.

5.1.14 How does the institution provide an enriched academic ambience for advanced learners?

- Awards for academic excellence are instituted by the college.
- Achievements of students are highlighted and displayed on the notice boards, college website.
- The award winners are honored during the Annual day and graduation ceremony
- During the classes, advanced learners are given a leading role to guide the slow learners.

5.1.15 What percentage of students drop-out annually? Has any study been conducted to ascertain the reasons and take remedial measures?

Annual drop-out rate is Nil.

5.1.16 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus during the last four years).

Campus interview is not applicable. Ours is a professional college preparing the doctors to take care of the community health. Each of our students either join the post graduate course or get employment in a health institute or starts his own medical practice.

5.1.17 Does the institution have a registered Alumni Association? If yes, what are its activities and contributions to the development of the institution?

Yes, the institute has an alumni association which is in process to register.

Alumni Association has been formed to have academic and cultural interaction and to share the knowledge and experience to improve and upgrade the institute. It also helps the old students to remain in touch with each other and also to guide the juniors.

5.1.18 List a few prominent alumni of the institution.

The institution is too young to announce the list of prominent alumni since most of them are pursuing post graduation i.e specialization in some or other medical subjects. The first batch graduates are yet to appear in their post graduation examination.

5.1.19 In what ways does the institution respond to alumni requirements?

Institution has approved a faculty guide for alumni association who interacts and coordinates the events of alumni. Institution also provides financial, infrastructure and logistic support to alumni during some interactive events.

The institution considers its Alumni as an integral part of the institution's student population. The institution facilitates the Alumni in issuance of mark sheets, degree certificates, and migration certificates from the University. It also promptly replies to queries from employers regarding credential verification, transcript requests etc.

5.1.20 Does the institution have a student grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?

Yes, a Grievance redressal cell is working for students with the following functions:

- To rectify all kinds of grievances.
- To analyze the grievance from the students
- To identify the reality of the grievance.
- To take the necessary steps to the remedies and brings to the knowledge of the administrators.

The committee is as under:

- Chairperson: Dr. S. K. Nema, Professor & HOD, Pathology
- Members:
 - Dr. Suraj Tripathi, Professor of Pharmacology
 - Dr. S. N. Shukla, Associate Professor, Anatomy
 - Dr. Pooja Jain, Asst. Professor, Obs/Gyne
 - Dr. Parul Dargar, Asst. Professor, Pathology
 - Mrs. Chitra Khirwadkar, Administrator & Counsellor
 - Mr. R. C. Yadav, Transport incharge & PRO

No major grievance is received so far except few General issues related to class room teaching, library, e-sources, canteen, hostel, hostel mess & transportation, which are being resolved through appropriate counseling and action by the committee. The committee also helps the student to resolve their grievances against the oversight mistakes in marking of university examinations

5.1.21 Does the institution promote a gender-sensitive environment by (i) conducting gender related programs (ii) establishing a cell and mechanism to deal with issues related to sexual harassment ? Give details.

Yes, Gender Harassment Committee is active in the institute as per rules, for prevention/ action against sexual harassment of women.

The Committee consists of the following members:

- Chairperson: Dr. Seema Sutay, Professor & HOD, Forensic Medicine
- Members:
 - Dr. Manila Jain, Professor & HOD of Physiology
 - Dr. S. N. Bamne, Associate Professor, Physiology
 - Dr. Manuj Kumar Sarkar, Asso. Professor, Medicine
 - Mrs. Chitra Khirwadkar, Administrator & Counselor
 - Mrs. Sharu Waghmare as NGO Representative
 - Mrs. Sudha Singh Office Superintendant as Non teaching staff member
 - Mr. Kachba Salman Anwar, Student representative
 - Ms. Aparajita Kumari, student representative

No harassment complaint has been reported to the committee.

5.1.22 Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in these cases?

Yes, Anti Ragging Committee is formed for overseeing the implementation of the provisions of Anti-ragging Verdict. This committee comprising teaching faculty, administrators and women representative monitors the measures taken by the institute for prevention of ragging, looks into specific instances of ragging and complaints of ragging etc. and suggest the appropriate actions/ punishments against the individual indulged in ragging.

The list of the members of Anti Ragging Committee is as follow:

- Chair person: Dr. V. K. Arora, Prof & Head of Community Medicine
- Members:
 - Dr. Ajay Joshi, Medical Superintendant & Prof & Head of Surgery
 - Dr. Seema S Suaty: Prof & Head of Forensic Medicine
 - Dr. Arjun Singh: Professor of Pathology
 - Dr. Jaishree Bute: Professor of P.S.M
 - Dr. S K Bamne: Associate Professor of Physiology
 - Dr. Manuj Sarkar : Associate Professor of Medicine
 - Dr. Bushra Khanam: Asst. Professor of Medicine
 - Dr. Anjali Prasad: Asst. Professor of Anatomy
 - Dr. Tulika Joshi: Asst. Professor of Obs/Gyne

- Dr Nilesh Chavan: Asst. Professor of Microbiology
- Dr Jay L Shah: Asst. Professor of Pharmacology
- Dr Swati Chavan: Tutor in Pharmacology

There's also an Anti Ragging Squad & a team of students representative to take immediate care of the incidence of ragging. The list of Squad members and student representative is displayed at various places.

Anti-ragging Squad:

Sr. No	Name	Designation	Contact No.
1	Dr. Swati Prashant	Prof. & Head of Pediatrics	9826017657
2	Dr R S Ranawat	Director, Index Institute	9425082585
3	Dr Suraj Tripathi	Professor of Pharmacology	9926396896
4	Dr. Prashant Peshattiwar	Asst. Prof. of Microbiology	7024583418
5	Dr Jaishree Bute	Professor of Community Medicine	9179723604
6	Dr S K Bamne	Asso. Prof of Physiology	9752532088
7	Dr. Pragati	J.R. Ophthalmology	7024583418
8	Sri R C Yadav	Director Transport, Index Institute	9893312395

Anti Ragging Student Representative

Sr. No	Name	Contact No.
1	Deep Bhavsar	9589005729
2	Saurabh Mishra	9425404033
3	Abdullah Faruqui	9755974328
4	Rahul Raghuvanshi	9425713799
5	A Saral Kumar	8989483534
6	Gunjeet Kumar	9837026685
7	Amil Ansari	9770772200
8	Faizan Khan Pathan	9422150668

Sr. No	Name	Contact No.
9	AlkeshNandana	789569339
10	Ajay Panwar	8349717671
11	Ankita Singh	7869725093
12	Upama Singh	8827642737
13	AyushiPande	9826021849
14	AnchalManchanda	9826044188
15	SaloniSolanki	9589794532

As per honorable Supreme Court and U.G.C. regulation, every year, all the students fill an anti-ragging undertaking. This is filled on line at www.antiragging.in or www.amanmovement.org. This is as per National Anti ragging Prevention Program. To ensure the registration of the student, a committee of various faculties is being framed as under:

Chairman: Dr. V.K. Arora

Coordinator: Dr. Arjun Singh

Members:

- **For registration of 1st Prof students:**Dr. S.N. Shukla, Dr. Anjali Prasad, Dr. Abhilasha Dutta, Dr. Abhishek Kumar, Dr. Deepti Agnihotri, Ms. Amrita Vamne, Ms. Priya, Ms. Nitu
- **For registration of 2nd Prof students:** Dr. Anjali Singh, Dr. Parul, Dr. Megha, Dr. Nilesh Chavan, Ms. Priyanka, Dr. Jay L Shah, Dr. Poonam Patel, Mr. Rishikant Gupta, Dr. Prashant Peshattiwar, Dr. Swati Chavan.
- **For registration of Pre final students:** Dr. Sangeeta Kori, Dr. Aarti, Mr. Shailendra Rawal, Dr. Indrayudh Banerjee, Dr. Pragati Khanolkar.
- **For registration of final year students:** Dr. Rahul Tanwani, Dr. Sudhir Morya, Dr. Vikrant Ranjan, Dr. Anoop Sharma, Dr. Pooja Gupta, Dr. Neha Gupta, Dr. Naziya Noor, Dr. Anjali Patil, Dr. Rahul Valecha, Dr. Hitesh, Dr. Abhilash Sisodiya.

A monthly report form is also submitted to Devi Ahilya Vishvavidhyalaya Indore in a format provided by the university.

There is no incident of ragging reported till date.

5.1.23 How does the institution elicit the cooperation of all its stakeholders to ensure the overall development of its students?

Institution elicits meetings with various stake holders to:

- Collect feed back on learning- teaching facilities of the institution.
- Different committees are formed to address the needs of the students.
- Mentors are appointed from the members of the faculty for personal attention and guidance Cultural, sports and awareness programs are organized

5.1.24 How does the institution ensure the participation of women students in intra-and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.

There's no difference on gender basis. Equal opportunities are given for female students to participate in intra and inter-institutional sports competitions and cultural activities. The sports and cultural committees have female students and staff members to facilitate and encourage the participation of the female students.

5.1.25 Does the institution enhance the student learning experience by providing for rotation from the teaching hospital to the community and district hospital during the internship period ?

Yes, the interns are posted in peripheral centers (Rural Health Training Centre and Urban Health Training Centre) on rotation for community service and experience.

The interns take part in health awareness programs, Schoolhealth program and community based survey program.

5.1.26 Does the institution have immunization policy for its students and staff ?

- Immunization for Hepatitis B is provided.
- Post exposure prophylaxis after needle stick injury is also provided

5.1.27 Does the institution give thrust on students growth in terms of :

Physical development:

Play ground with necessary sports facilities and well equipped Gym is available. Various intra-collegiate tournaments are held. Cultural and Sports committee is constituted to motivate the students

Emotional control:

Mentor-mentee system, motivational talks and psychological counseling take care of emotional control.

Social dimension:

Participation in community services and health camps as well as extension program encourage the students to be responsive to the needs of the community

Spiritual growth:

Regular religious and spiritual activities are practiced with celebration of different Indian festivals.

5.2 Student Progression

5.2.1 What is the student strength of the institution for the current academic year? Analyze the Program-wise data and provide the trends (UG

5.2.2 to PG, PG to further studies) for the last four years.

Student strength of the institution for academic year 2015-16

Program	Number of students
MBBS	697
Interns	141
Post graduates (MD/MS) 2016	55
Post graduates (MD/MS) 2015	57
Post graduates (MD/MS) 2014	56

5.2.3 What is the number and percentage of students who appeared/qualified in examinations for Central / State services, Defense, Civil Services, etc.?

- The first batch of undergraduates is appearing in the examination of their post graduation.
- From the first batch of post graduates, Dr. Shirin Sharma, a post graduate of Community Medicine joined Indian Air Force.

5.2.3 Provide category-wise details regarding the number of post graduate dissertations, Ph.D. and D.Sc. theses submitted/accepted/rejected in the last four years.

Number of PG dissertations submitted and accepted in last four years:

Year	PG dissertations submitted	PG dissertations accepted	PG dissertations rejected
2016	16	16	Nil
2015	12	12	Nil
2014	14	14	Nil

5.2.4 What is the percentage of graduates under AYUSH programs employed in the following?

- AYUSH departments/Hospitals,
- Multinational companies,
- Health clubs,
- Spas,
- Yoga wellness centers,
- Yoga studios,
- Health clubs,
- Own Yoga cubes/studios ?

Not applicable

5.3 Student Participation and Activities

5.3.1 List the range of sports, cultural and extracurricular activities available to students. Furnish the program calendar and provide details of students' participation.

Yearly the students are motivated to participate in various intra-collegiate events and a national event occurring at All India Institute of Medical Sciences, New Delhi. A well planned calendar is prepared. Herewith is the proposed calendar for year 2016

Proposed Extra Curricular Calendar for year 2016

National Event at AIIMS, New Delhi (Pulse 16):16-22 September

Institutional Events: Stimulus 2016

S. No.	Events	Venue
Date – 14 November		
1	InauguralSpeech	Mount litera Campus
2	Athletic Race	Mount litera Campus
3	Country Race	Mount litera Campus
4	Football – Boys (1)	Mount litera Campus
5	Volleyball – Girl	Boys hostel
6	Badminton	Boys Hostel
Date – 15 November		
1	Rangoli making	Reception
2	Best out of waste	Reception
3	T – Shirt painting	Reception
4	Football – boys(2)	Mount litera Campus
5	Cricket – Girls	Cricket ground
6	Badminton	Boys Hostel
Date – 16 November		
1	Sketching	Mount litera Campus
2	Poster making	Mount litera Campus
3	Glass painting	Mount litera Campus
4	Cricket boys – (1)	Cricket ground
5	Cricket boys – (2)	Cricket ground
6	Badminton	Boys Hostel
Date – 17 November		
1	Boys, borrow and steal	Auditorium
2	Face painting	Reception
3	Story completing	Auditorium
4	Football – boys - (3)	Mount litera Campus
5	Cricket boys-(3)	Football ground
6	Chess	Reception

S. No.	Events	Venue
7	Badminton	Boys Hostel
Date – 18 November		
1	Hindi debate	Lecture hall - 2
2	English debate	Lecture hall - 2
3	Poetry	Lecture hall - 2
4	Cricket boys-(4)	Cricket ground
5	Football – boys - (4)	Mount litera School
6	Carom	Reception
7	Badminton	Badminton court
Date – 19 November		
1	Entertainment Quiz	Auditorium
2	Basket ball – boys (1)	Basket ball court
3	Table tennis	Badminton court
4	Volleyball – boys (1)	Mount litera School
5	Volleyball – boys (2)	Mount litera School
6	Badminton	Badminton court
Date – 21 November		
1	Medical Quiz	Auditorium
2	Basket ball – girls	Basket ball court
3	Basket ball – boys (2)	Basket ball court
4	Basket ball – boys (3)	Basket ball court
5	Table tennis	Badminton court
6	Volleyball – boys (3)	
Date – 22 November		
1	Basket ball – boys (4)	Basket ball court
2	Volleyball – boys (4)	Cricket ground
3	Cricket – semifinal (1)	Cricket ground
4	Cricket – semifinal (2)	Cricket ground
5	Badminton - semifinal	Badminton court

S. No.	Events	Venue
6	Table tennis - semifinal	Badminton court
Date – 23 November		
1	Cricket finals	Cricket ground
2	Basketball – semifinal (1)	Basket ball court
3	Basketball – semifinal (2)	Basket ball court
4	Volleyball - Semifinals	Boys hostel
5	Volleyball - Semifinals	Cricket ground
Date – 24 November		
1	Basketball – final	Cricket ground
2	Volleyball - final	Cricket ground
3	Football – Semifinals	Cricket ground
4	Badminton - final	Cricket ground
5	Table tennis – final	Reception
S. No.	Events	Venue
Date – 25 November		
1	Football – finals	Mount litera School
2	Singing	Auditorium
3	Dancing	Auditorium
4	Skit	Auditorium
5	Film flip	Auditorium
6	Fashion walk	Auditorium
7	Junior ramp walk	Auditorium
8	Mr. Indexian	Auditorium
9	Winners – prize distribut	Auditorium

5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. during the last four years.

Details of achievements of students at National level:

Pulse 2015 at AIIMS, New Delhi:

- Runner up in Basketball (Girls), team was represented by Avani Pant, Anshita Chouhan, Ayushi Chouhan, Lucinda devi, Monam Verma, Nitya B. Nair, Pravishi Pingle and Bhawana Chowdhary.
- Football(Boys)& Cricket (boys) team were the semifinalist
- Ashish Mishra reached to quarter final in chess and Neha Choudhary and Ashish Mishra played the semifinal in carom.

Pulse 2014 at AIIMS, New Delhi

- First prize winner in treasure hunt, the team represented by Subhashish Das, Faizen Pathan, Shrishail Shahne, Shivam Arora and Nihil Hiware
- Team of Ravikant Bondhare, Ramrahul Ghosh and Praveevn won the second prize in Hogathan and 'Beg borrow steal'
- Ku. Pritanshi Singh was awarded as best actress in twisted movie
- Ku. Pritanshi Singh and Anshuman Sharma won the special prize in solo singing

Pulse 2011 at AIIMS, New Delhi

First Prize:

- Cricket team under captaincy of Mahesh Sharma
- Clay modeling: Ku. Sonam Soni

Second Prize:

- Table tennis team
- Rangoli Competition

Third Prize:

- Music: Amay Rangnekar & Sapna Sharma
- Swimming: H.S. Meena
- Carrom: Basant Sharma & Ashish Sharma

5.3.3 Does the institution provide incentives for students who participate in national / regional levels in sports and cultural events?

Special awards are provided to the students in a grand event of closing ceremony of annual programs.

5.3.4 How does the institution involve and encourage its students to

publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications/ materials brought out by the students during the last four academic sessions.

The institution encourages the students to participate in:

- Poster Presentations in conferences & workshops to present their research & innovative thinking.
- Various committee formed for organizing conference, workshop, guest lectures at institution & departmental level.
- Model exhibition
- Publication of college magazine
- Expression of their talent through articles, paintings, and graffiti

The major publication by the under graduate students is college magazine 'Dhanvantari'. This is in addition to the publication of thesis by each of the post graduate.

5.3.5 Does the institution have a Student Council or any other similar body? Give details on its constitution, activities and funding.

The institution have Student welfare, social awareness and cultural committee with full of student participation to plan for the sports and cultural calendar in advance. The committee owes the responsibility of smooth conduction of the events taking co-operation of all the students and faculty. The funding for the activities of the committee is provided by the institute.

Student welfare, Social awareness and cultural committee -

- Mrs. Chitra Khirwadkar – Administrator as Chairperson
- Dr. Seema Sutay- Professor & Head, Forensic Medicine
- Dr. Mohini Harshey, Professor of Paediatrics
- Dr. Yogesh Tilkar, Asst. Professor, Anesthesia
- Dr. Abhishek Kumar- Asst. Professor, Physiology
- Mrs. Swati Chavan-Tutor, Pharmacology
- Shivam Narang- Student Representative
- Garima Gupta- Student Representative
- Ashita Jain- Student Representative
- Suruchi Nigam- Student Representative

5.3.6 Give details of various academic and administrative bodies that have student representatives in them. Also provide details of their activities.

To promote sense of responsibility, leadership qualities and overall development of students and to maintain a transparency in the procedures, the

students are involved in various committees of the institute

The committees with the student representatives are:

- “Curriculum committee” for implementation of ATCOM (Attitudinal & communication competencies) module proposed by MCI
- Anti - Ragging squad
- Sexual harassment committee
- Student welfare, social awareness and cultural committee
- IQAC (internal quality assurance cell)
- Sports Committee

Any other information regarding Student Support and Progression which the institution would like to include.

Special attention is paid to the holistic development of the students. Communication skill lab and practice of Community oriented Projects by all the batches of Interns are the unique examples of the innovation adopted by the college (please refer criteria 7.3.1, the two best practices).

CRITERION-VI

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and the mission of the institution.

Vision: To achieve world class excellence in:

- Learner centered health care education to meet the regional, national and global health care educational needs.
- Community oriented research with the development of new knowledge in the basic and clinical sciences and health care education
- Clinical care with excellence in knowledge, attitude and skills to provide a patient centered service
- Development of a strong community relationship with an excellent communication skill for an effective implementation of national health programs and planning.

Mission:

The institute is running with the mission of improvement in the health and well-being of individuals and populations through cutting-edge biomedical research, innovative educational programs in medicine and biomedical science, and leadership in academic medicine. We strive to implement this mission with the highest professional and ethical standards, in a culture of diversity and inclusiveness, and in an environment that enables each individual to develop to his or her fullest potential.

6.1.2 Does the mission statement define the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, the institution's tradition and value orientations, its vision for the future, etc.?

Yes.

6.1.3 How is the leadership involved in Developing E-Governance strategies for the institution?

- Internet facility has been provided in the office and every department of the college.
- Majority of communication among dean, superintendent and the heads of various departments occur through e-mail.
- Most of the important information of the institute has been uploaded on its website.
- Faculty members and students are encouraged to take maximum use of ICT for academic and research purposes.

- A new dimension has been added to the e-governance with introduction of mobile phone and android platform. Faculties are using various WhatsApp groups for communication with each other, and also for teaching the students.

Ensuring the organization's management system development, implementation and continuous improvement?

- The management, dean and faculties of various departments play an active role in governance of the institute.
- Senior faculties from various departments are appointed as members of various academic and administrative committees, based on their interest and experience.
- Faculties of all the departments act like a team during organization of any major event like conference, workshop etc. by any department.
- Major policies are decided by the top management. The middle management level of dean and superintendent set the target and ensures the planning. Micro-planning and implementation is done at the departmental level. Feedback is given back to the middle and top management, which ensures the desired modifications and hence to a continuous improvement in institute's planning and strategies.

Interacting with its stakeholders?

The management of the institute interacts directly with all stakeholders like students, parents, faculties and administrative staff through regular meetings. Feedback and suggestions obtained from these meeting help the management in decision making process.

Reinforcing a culture of excellence?

- The leadership of the institute appreciates the perfection and awards the excellence.
- The institute encourages its faculty members and students towards various types of researches, publications and innovations in academic fields.
- Apart from routine theoretical and clinical lectures, various types of academic meets, CMEs, Guest lectures etc are regularly conducted in the institute.

Identifying organizational needs and striving to fulfill them?

The head of the department provides feedback to the management via regular feedbacks related to various activities and needs in the department. Management takes immediate action to fulfill the requirements.

6.1.3 Were any of the top leadership positions of the institution vacant for more than a year? If so, state the reasons.

No

6.1.4 Does the institution ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?

Yes. Meetings are conducted at regular intervals, as per the requirements.

6.1.5 Does the institution promote a culture of participative management? If yes, indicate the levels of participative management.

Yes. The institute promotes a culture of participative management. The dean of the college welcomes thoughts and innovative ideas on various issues from faculty members and the other stakeholders. Faculties are actively involved in various capacities in administration. Opinions from every level is sincerely understood and addressed by the top management.

The institution involves all the stake holders like students, teachers and administrators in institutional planning. Every department formulates its perspective plans for departmental improvement after discussion with the faculty members within their department. The infrastructural planning, planning for equipment procurement, academic planning and financial planning in the short term and long term are carried out after extensive discussion at various levels. A plan is created and a time frame is agreed upon. Then the management pursues the plans depending upon the cost of the project. Inputs from the students, teachers and even non teaching staff are given important consideration in the planning.

6.1.6 Give details of the academic and administrative leadership provided by the university to its affiliated colleges / constituent units and the support and encouragement given to them to become autonomous.

Not applicable.

6.1.7 Have any provisions been incorporated / introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?

Not applicable

6.1.8 How does the institution groom leadership at various levels? Give details.

The college grooms leadership at three main levels: Teaching faculty, Students and Administrative levels.

The procedure adopted for creating leaders at different levels is as follows:

- 1) Identify various activities or tasks to be implemented for every academic year, according to the perspective plan of the institute.
- 2) Circulate the list of activities and tasks amongst the faculty, staff and students.
- 3) Involve the members in the college activities of his / her own choice.
- 4) Assign responsibilities by providing freedom and necessary support for implementation.
- 5) Appreciate the innovative ideas and leadership qualities shown by members.

Management appoints the head of the department to take up the role of departmental administrative and academic head. In addition, he is also given the responsibility of handling some of the administrative tasks at the college level. All teachers take various curricular, extracurricular and administrative responsibilities in rotation. Periodic capacity building, as well as faculty development programs, also helps them to sharpen their management skills.

6.1.10 Has the institution evolved a knowledge management strategy which encompasses the following aspects such as access to

Information Technology:

- Adequate numbers of computers are available in the institute
- Proper use of internet and Wi-Fi facilities for patient management, academic and research purpose.

Data Bank:

- Backup of all official documents are kept on regular basis and maintained properly.

Other open access resources along with effective intranet facilities with unrestricted access to learners:

Available

6.1.10 How are the following values reflected in the functioning of the institution?

Contributing to National development

- The major goal of the institute is to produce and competent medical graduate who will efficiently work towards improving the health status of the community and will play an important role in development of a healthy nation.
- Besides, institution is supporting all major national level health related programs like RNTCP, NACO etc.

Fostering global competencies among students

- Students are being taught by faculty members using latest technological advances in their respective subjects. This makes them globally competent enough to meet the future challenges.

Inculcating a sound value system among students

Apart from providing the regular medical education, institute gives a priority in inculcating the desired value system amongst the students through orientation programs, celebration of various festivals, mentor-mentee system etc.

Promoting use of technology

- Promoting the use of internet and Wi-Fi system by faculties and students.
- Use of LCD projector for routine teaching.
- Use of photographs and videos
- Use of social media like Facebook, WhatsApp, YouTube etc. for additional teaching of students.
- Computerization of administrative and accounting work
- Computerization of patient related data
- Latest technologies for diagnostic and therapeutic purposes.

Quest for excellence

- The institute plays utmost importance in all fields of study and patient management.
- Faculties are trained in basic course workshop in medical education technologies to deliver their best to the students.
- Faculties and students are encouraged to publish research articles in various national/international journals and to present papers in various conferences.

6.1.11 Has the institution been indicted / given any adverse reports by National Regulatory bodies? If so, provide details.

No

6.1.12 What are the projected budgetary provisions towards teaching, health care services, research, faculty development, etc.?

As per audit report

6.2 Strategy Development and Deployment

6.2.1 Does the institution have a perspective plan for development? If yes, what aspects of the following are considered in the development of policies and strategies?

Vision and mission:

The vision and mission, as stated earlier with 6.1.1, provide a comprehensive road map of the developmental plan to meet the regional, national and global health care educational needs and clinical care.

Teaching and learning

- To ensure holistic approach in teaching and learning
- To strive for perfection in delivery of the medical education.
- To teach empathy, ethical behavior, communication skills, intellectual honesty and professional conduct to the students.

Research and development

- To encourage the faculties and the students for various types of researches in their fields.
- To provide them the basic and advanced needs to conduct the research work.
- To promote the faculties and students for publications and paper presentations in various journals and conferences, respectively.

Community engagement / outreach activities

- To provide comprehensive, best quality, cost effective and affordable health care services, through a team of highly qualified and committed medical professionals, to each and every member of the society.
- To organize regular health camps, blood donation camps, health awareness programs etc. in the community.
- To be a part of more number of state and national level health programs.

Human resource planning and development

- To be a preferred place for the best medical professional to work.
- To identify the present and future human resource needs and take steps to attract the best talent and retain the best faculties.

Industry interaction

- The students of the institute are exposed to the health care industry.
- Workshops, conferences, visits to health care institutes of excellence and postings in other hospitals are occasions for them for various types of interactions.

Internationalization

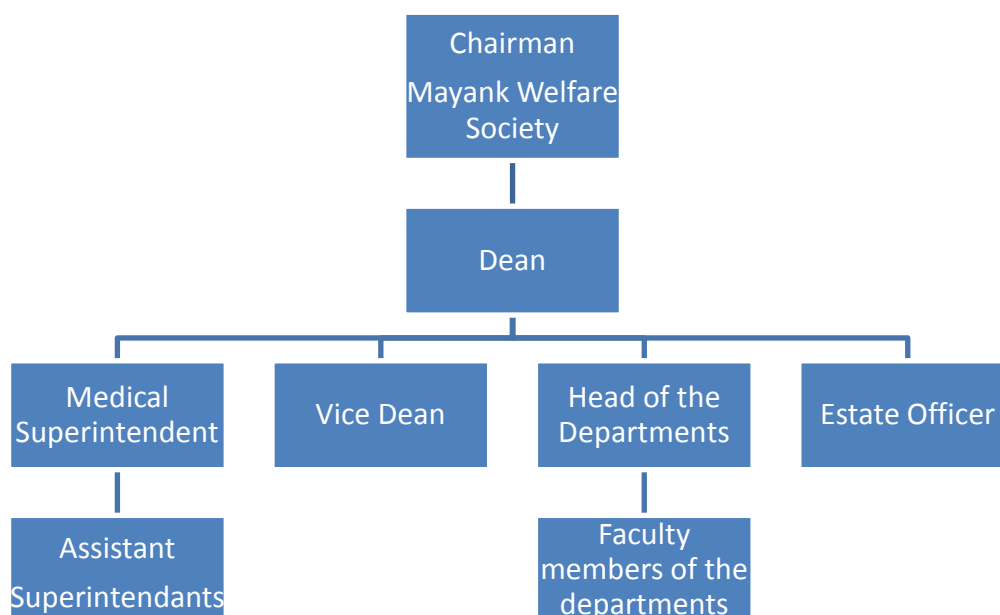
- The institute is planning for tie-ups with other eminent and foreign universities for interaction and exchange programs.

6.2.2 Describe the institution's internal organizational structure (preferably through an organogram) and decision making processes and their effectiveness.

Is there a system for auditing health care quality and patient safety? If yes, describe.

How often are these review meetings held with the administrative staff?

The internal organizational structure of the institute:



6.2.3 Does the institution conduct regular meetings of its various Authorities and Statutory bodies? Provide details.

Yes. The institution conducts regular meetings of various authorities and statutory bodies. The chairman of the institute meets regularly with the Dean, hospital superintendent and administrator to ensure the proper implementation and functioning of academic and health care activities in the institute. The Dean of the institute regularly conducts meetings with head of various

departments for planning various academic strategies and to obtain the feedback on functioning of academic and administrative units of the institute.

6.2.4 Does the institution have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?

Yes. The institution is committed to strive for a culture of quality in medical education and providing medical treatment.

Our objectives are:

- To become the one of the most preferred medical college in the state for medical education.
- To get NABH Accreditation for the medical college hospital.
- To achieve these goals, various plans are made by the institute. They are used to put systems in place, a time frame is defined and they are implemented. Direct feedbacks are obtained from students and patients; effects are measured against the targets established and plans are modified accordingly.

6.2.5 Does the institution encourage its academic departments to function independently and autonomously and how does it ensure accountability?

Yes, the institution encourages its all the departments to function independently and autonomously by giving freedom to plan, organize and implement proposals independently.

The head of the department empowered as the team leader for academic, administrative and medical treatment purpose.

The accountability of departments is ensured by regular monitoring by the dean and medical superintendent. Work progress of each department is reviewed by management in meetings. The institution encourages faculty for free and frank discussion during various administrative meetings.

6.2.6 During the last four years, have there been any instances of court cases filed by and / or against the institution? What were the critical issues and verdicts of the courts on these issues?

Yes. Being a professional college, several court cases have been filed against the institutes. Most of the decisions were in favor of the institute. To maintain the confidentiality, the details are not being provided. However, the file could be shown during the visit of NAAC team.

6.2.7 How does the institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship?

Yes, all the grievances and complains are addressed immediately by defined redressal mechanism for UG, PG students, staff, patients and relatives.

The mechanism to handle grievances by the Grievance Redressal Committee is:

- (a) Receiving the grievance by the dean.
- (b) Taking cognizance of the grievance(s).
- (c) Investigate and settle the grievances within a stipulated time, depending on the nature of grievance.
- (d) Report back to the dean and management.

6.2.8 Does the institution have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

Yes, the institute has designed a specific pro forma for the feedback on academic and other institutional activities. Regular feedback is taken from students with the maintenance of transparency and confidentiality. Their feedback is analyzed and submitted to higher authorities. The institution has much benefitted from the process towards improvement of teaching and learning methodology.

6.2.9 Does the institution conduct performance audit of the various departments?

Yes. Internal audit system exists in the organization and yearly accounts are audited by the statutory audit.

6.2.10 What mechanisms have been evolved by the institution to identify the developmental needs of its affiliated / constituent institutions?

Not applicable.

6.2.11 Does the institution and hospital have their own updated websites? If so, is the information regarding faculty and their areas of specialization, days of availability, timings, and consultation charges available on the website?

Yes, the institution owes its own website with proper incorporation of all the concerned information.

6.2.12. What are the feedback mechanisms and documentations to evaluate the outcomes of these exercises?

The dean interacts with the heads and faculties of various departments and obtains feedback and information required for effective administration.

Students' feedback is obtained regarding various academic and extracurricular activities and infrastructure of the institute.

The administration also encourages informal discussions between the administration, faculty, non teaching staff, students and patients and obtains required information for effective administration.

6.3 Faculty Empowerment Strategies

6.3.1 What efforts have been made to enhance the professional development of teaching and non-teaching staff? What is the impact of Continuing Professional Development Programs in enhancing the competencies of the university faculty?

The institution actively promotes faculty development at all levels. Faculty members are actively encouraged to participate in CMEs & workshops, seminars, and symposiums on their respective field of specialization. Faculties are periodically sent to the regional and zonal centers for training in medical education technology. In addition, medical teaching workshops are held by the college where the faculty participates to enhance their skills. Official support is available to each faculty to participate in national and international conferences etc. Faculty members are encouraged to visit other national institutes for which full support is provided. Non-teaching staff is provided various types of training like computer literacy, basic life support training etc.

6.3.2 What is the outcome of the review of various appraisal methods used by the institution? List the important decisions.

The management regularly obtains feedback from the students regarding academic performance of various faculty members. Besides, feedback from the head of the department is also considered while evaluating the overall performance of faculties. Also, the faculties also express about their performance through 'self appraisal' system.

6.3.3 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have benefitted from these schemes in the last four years? Give details.

Following are some of the facilities provided by the institute for its teaching and

non-teaching staff:

- Free transport service for faculties and staff members.
- Free meals for faculties and staff members.
- Staff quarters for faculties and staff members.
- Medical treatment facilities for faculties and staff members.
- Recreational activities for faculties and staff members.

6.3.4 What are the measures taken by the institution for attracting and retaining eminent faculty?

Following are some of the measures taken by the institute for attracting and retaining eminent faculties:

- Promotions and improved designations are given to the eligible faculties.
- Promotion of active participation of all faculties in decision making process.
- Periodical salary revision
- Special leave is made available for the academic development such as to attend the conferences, CMEs and guest lectures and to visit to other universities for the conduction of examinations as external examiner

6.3.5 Has the institution conducted a gender audit during the last four years? If yes, mention a few salient findings.

Yes, the institution has conducted a Gender Audit. Findings of the gender audit are shown in the table given below:

Designation	Male	Female	Total
Professor	32	10	42
Associate Professor	23	9	32
Assistant Professor	39	25	64
Senior Residences	34	14	48
P.G. Students 2016	37	18	55
P.G. Students 2015	38	19	57
P.G. Students 2014	37	19	56
U.G. Students 2015	83	67	150
U.G. Students 2014	92	58	150
U.G. Students 2013	92	58	150
U.G. Students 2012	93	57	150

6.3.6 Does the institution conduct any gender sensitization programs for its faculty?

There is a sexual harassment cell to look after the matter of any sort of sexual harassment.

6.3.7 How does the institution train its support staff in better communication skills with patients?

Majority of the support staffs are from local area, and so, there is no language barrier, which helps them in better communication with patients.

The institution provides opportunities to the support staff to train in computer skills etc., and trains them to communicate with various types of patients.

Feedback is taken from the patients regarding behavior of the staff, which helps to improve communication skills.

6.3.8 Whether the research interests of teaching faculty are displayed in the respective departments?

Yes. The research projects are displayed on notice boards of IEC and in the concerned department and the hard as well as soft copy of research publications are available in departmental repository.

6.3.9 Do faculty members mentor junior faculty and students?

Yes. Head and senior faculty of the department mentor the junior faculty on issues like classroom management, teaching techniques, examination methodology, clinical training etc. Preparation for classes by the junior staff is supervised and guided by the senior staff. Besides, institute has developed a mentor-mentee system for the students.

6.3.10 Does the institution offer incentives for faculty empowerment?

Yes. Promotions and periodic increments are given to the faculties on the basis of their experience and performance. Special casual leave is made available to attend the conferences, CME programs and guest lectures. Financial assistance is provided to the faculties for various types of research projects.

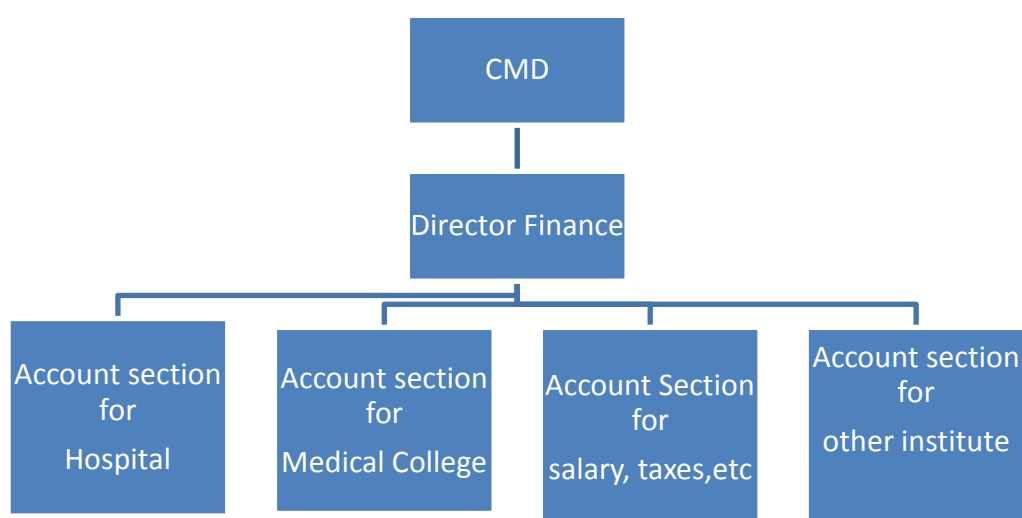
6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism available to monitor the effective and efficient use of financial resources?

The college is managed by a society which has a well formulated financial

policy to ensure the proper allocation of the budget as per the growing need of the institute. Every department is expected to provide a list of requirements such as equipments, computers, instruments as well as consumables. Budget is reviewed by a team of finance experts who approve the same after necessary changes. Apart from this, a contingency amount is provided to every department to take care of their emergency needs.

The organization has established structure of the authorities/ staff to monitor effective & efficient use of available financial resources. The structure is as under:



There is an internal auditor to check each & every transaction in the group.

At the end of the financial year the balance sheet & profit & loss account is audited by the statutory auditors.

6.4.2 Does the institution have a mechanism for internal and external audit? Give details.

Internal audit system exists in the organization and yearly accounts are audited by the statutory audit.

6.4.3 Are the institution's accounts audited regularly? Have there been any audit objections, if so, how were they addressed?

Yes, the accounts are audited regularly. There's no significant audit objection in previous years.

6.4.4 Provide the audited statement of accounts with details of expenses for academic, research and administrative activities of the last four years.

Audited statement of accounts of last four years will be provided to the inspection team during on ground inspection.

6.4.5 Narrate the efforts taken by the institution for resource mobilization.

The institution is a self- financed organization in which the major financial resource is the student's fees coming from various sources. Besides, the society members are approaching to the general public of the operational area on regular basis and collecting donations for the expansion of the college & hospital facility.

6.4.6 Is there any provision for the institution to create a corpus fund? If yes, give details.

There's no corpus fund created by the institute.

6.4.7 What are the free / subsidized services provided to the patients in the hospital?

Institute is having a 'not for profit' policy for the hospital. Medicine and diagnostic services and investigative procedures are provided to the patients in OPD and wards at free or highly subsidized rate. Besides, free consultation and medicine are provided to the society regularly through medical camps.

6.4.8 Does the institutions receive fund from philanthropic organizations / individuals towards patient care? If yes, give details.

No fund is received from any philanthropic organizations or individuals.

6.4.9 Do patients from other states / abroad come for treatment, reflecting the unique quality health care provided by the institution?

No. At present, majority of the patients of the institute are from our state only, mostly from the surrounding rural and urban areas.

6.5 Internal Quality Assurance System

6.5.1 Does the institution conduct regular academic and administrative audits? If yes, give details.

Yes. The institution conducts regular academic and administrative audits.

Academic audit includes status of syllabus covered, status of faculty teaching load, examination results comparison etc.

Administrative audit includes audit of accounts, stock verification of consumables and non-consumables, library audit, maintenance audit etc.

6.5.2 Based on the recommendations of the Academic Audit, what specific follow up measures have been taken by the institution to improve its academic and administrative performance?

The following are some of the specific measures which have been taken by the institution to improve its academic and administrative performance:

- Preparation of academic calendar and instructions to faculty to complete syllabus in time.
- Slow learners are identified and special classes are conducted to improve their performance.
- Meaningful reduction in the level of consumption of consumables.
- Identification and replacement of missing /lost equipments.
- Reduction of holidays to compensate the session delayed by late declaration of the results by the university.

6.5.3 Is there a central unit within the institution to review the teaching-learning process in an ongoing manner? Give details of its structure, methodologies of operations and outcome?

The Institution has academic committee to review the teaching –learning process. The committee members are as follows-

- Dr. Sanjeev Narang, Professor of Pathology, Chairperson
- Dr. Swati Prashant- Professor of Paediatrics
- Dr. Sangeeta Agrawal- Prof. Anaesthesiology
- Dr. Mustafa Zohar- Prof. Orthopedics
- Dr. Poonam Patel- Asst. Prof. Pharmacology
- Dr. Anjali Singh- Asst. Prof. Pathology

6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?

It is being planned to frame an Internal Quality Assurance Cell (IQAC) with the goal of a constant watch in designing and up gradation of the teaching-learning process and health care services of the college and hospital.

The IQAC will work to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institute.

IQAC of our institute is being framed as per the guidelines of National Assessment and Accreditation Council, which will include the following members:

1. Chairperson: Head of the Institution
2. A few senior administrative officers
3. Three to eight teachers
4. One member from the Management
5. One/two nominees from local society, Students and Alumni
6. One/two nominees from Employers /Industrialists/stakeholders
7. One of the senior teachers as the coordinator/Director of the IQAC

All of the members will be nominated for a period of two years to have a meetings at least once in every 3 months.

6.5.5 How many decisions of the IQAC have been placed before the statutory authorities of the institution for implementation?

Framing of the college IQAC is under process hence it is not applicable.

6.5.6 Are external members represented in the IQAC? If so, mention the significant contribution made by such members.

External members will have the representation in the IQAC. However the IQAC is yet to be framed.

6.5.7 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?

No, as it has not been established till date.

6.5.8 Are there effective mechanisms to conduct regular clinical audit of the teaching hospital? Give details.

The hospital administration department and medical superintendent perform regular clinical audit, and prepare the data and need of any interference if required to improve the status.

6.5.9 Has the institution or hospital been accredited by any other national/ international body?

Till date there is no national or international accreditation. However the hospital is preparing itself for NABH accreditation.

6.5.10 Does the hospital have institutional and individual insurance schemes to cover indemnity claims?

There is no institutional insurance scheme to cover indemnity claims. However, health insurance scheme is available to students. There is provision of mediclaim to cover the accidents and health expenses of the students.

Any other information regarding Governance, Leadership and Management which the institution would like to include.

CRITERION-VII

INNOVATIVE AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the institution conduct a Green Audit of its campus?

- a) The College is utilizing considerable budget on laying and maintaining greenery and carrying out landscaping of the campus.
- b) The College is maintaining lush green lawns and herbal plants on the campus.
- c) Sprinklers are used for even and uniform watering of the lawns to reduce water consumption.
- d) The college, with the help of faculty, paramedical staff and student volunteers, has planted hundreds of plants and has been regularly looking after their growth.
- e) Permanent gardeners are employed to look after the maintenance of greenery in and around college campus.

7.1.2 What are the initiatives taken by the institution to make the campus eco-friendly?

Energy conservation:

Large size windows and high ceilings in the classrooms provide good ventilation. This has minimized the usage of fans and lights. Wherever possible the college has started using LED bulbs in the place of ordinary incandescent bulbs to minimize power consumption. The majority of the rooms of college and hospitals are well illuminated by day light only, which saves a large amount of electricity.

Use of renewable energy

Solar panels are installed in the hostels

Water harvesting

The college has been maintaining rain water harvesting at various parts of the building.

Solar panels

Yes. At present, the institute is using solar energy in form of 'solar water heaters' in the hostels. This conserves a huge amount of electricity. Besides, plans for using solar energy in other forms are under process.

Efforts for carbon neutrality

The college has been maintaining greenery with lawns and shrubs and trees for keeping carbon neutrality stable. Different varieties of plants are grown as indoor plants placed in corridors, labs and also in departmental chambers

Plantation - Botanical or Medicinal significance

The campus has a huge number of plants and trees with botanical significance. The campus is enriched with more than 3000 plants of 39 different varieties. The campus lawn is spread in 30924 square feet area.

Bio-hazardous waste management

- The institution manages the Bio medical waste as per BMW disposal rules. The BMW is collected segregated at the point of generation into designated containers and then in bags, as per the BMW color codes. Door to door collection is done by designated employees using designated colored containers. This is reached to a centralized BMW storage site.
- The institute has an MOU with an authorized BMW Collection and disposal agency (Houswin) that is recognized by the state control board. Collection is done by the agency on daily basis by a vehicle especially meant for this purpose.
- Regular training with demonstration is carried out for all employees.
- Proper needle cutters are available and large sign boards describing the contents for each color bag is displayed in each point of BMW generation.
- Needle stick injury is to be reported and post exposure prophylaxis given.

E-waste management

Presently the institute is not having a significant burden of e-waste owing to a newer establishment. However, we are in process to frame a definite policy for e-waste management as per the existing safety norms.

Effluent treatment and recycling plant

Yes, available.

Recognition / certification for environment friendliness

As such there is no certification has been received but the environmental friendliness is appreciated by the visitors.

Any other (specify)

7.1.2 How does the institution ensure that robust infection control and radiation safety measures are effectively implemented on campus?

To ensure the infection control and radiation safeties following measures are being taken:

- Hospital infection control committee
- Periodic assessment of samples from operation theatres and wards by Microbiology department.
- Use of gloves, mask, caps, gowns, shoe covers etc., wherever necessity.
- Proper training and usage of hand-washing techniques.
- Proper disposal of the waste
- Shielding of radiations in the X-Ray rooms through personnel lead aprons, lead shielded viewing glass etc. AERB certified facility.

7.1.3 Has the institution been audited / accredited by any other agency such as NABL, NABH, etc.?

No

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the institution.

Following are some of the innovations introduced in college in last four years:

- Communication skills lab
- Surgical museum
- IVF Centre
- Pharmacovigilance cell
- Biometric system of attendance
- Paperless communication

7.3 Best Practices

7.3.1 Give details of any two best practices that have contributed to better academic and administrative functioning of the institution.

FIRST:

1. **Title of the Practice:** Community oriented Projects by Interns.

2. **Goal:**

Aim is to find out status of knowledge about healthy practices and their attitude towards adopting the modified parameters in preventive & promotive action towards achieving the positive health in community. Also to sow a seed of research methodology in the mind of the budding doctors so as to grow in a fruitful plant in their later life.

3. **The Context:**

The busy schedule of study of medical science is producing a little deficit in communication with the society and application of research methodology to the community problems.

Challenging issues in a community are too many specially related to change in pre-adopted cultural practices in relation to breast feeding, menstrual hygiene among adolescents, and utilization of vaccine related health practices among certain communities. Myths related to certain diseases pertaining to its onset & course & their treatment modalities were resolved by designing certain plays, films & posters along with pros & cons of the methods suggested.

4. **The Practice:**

The practices adopted by the department are revolving around Interns who are posted for 2 months in the department. They are first exposed to certain projects on which work has already been done by previous batches. Then they think of their own projects & read through the journals & finally prepare format to conduct the study, collect data, compile, correlate and analyze it. Finally results & observations are prepared & presentation is done before the audiences in the college. During the process they learn research methodology as a whole on ground & deal with the Community too. They learn about the use of statistical methods by using SPSS 20.0 version.

This in turn, gives them the first hand knowledge and practice of

research methodology on any project work to be done in future by them. Uniqueness of project work lies in LEARNING BY DOING.

5. Evidence of Success:

The achievements are like:

- Collection of sanitary napkins by adolescent girls/their mothers from AWWs/ASHA after our project work.
- Increase in coverage percentage in Immunization among rural population where projects were done.
- Adoption of exclusive breast feeding and initiation of breast feeding within 3 hours of delivery for utilization of colostrums by lactating mothers after Antenatal and Postnatal education are encouraging evidences.
- The whole exercise has shown definite improvement in communication skills among interns. At the end of two months, we get a highly refined and confident intern.

6. Problems Encountered and Resources Required:

Preoccupation of thoughts and preconceived ideas regarding preparation of competitive pre-PG examination acts as a psychological barrier for participating in community activities. It is considered as waste of time but appropriate counseling on the activities motivate them in terms of the benefits of society as well as students

To overcome the inhibitions and certain myths in the society students are made to make efforts as counselors because certain old stalwarts in the family still don't allow menstruating girls to go to school, temples or enter the kitchen.etc.

Muslim communities in certain pockets showed reservation about use of certain vaccines. Few old ladies still use initiation of child rearing and feeding practices with honey/water etc. and other unhygienic products.

They are imparted concerned health education.

7. Notes:

Education at school level and mainly through mass media, TV, radio along with print media on health related practices has made a big difference in changing the concepts & utilization of health services. i.e. "Do boond zindagi ki" ; "Jahan soch wahan shouchalaya" etc. has made changes in thinking. Hence a bit of health education can have a lasting and permanent impact.

SECOND:

1. Title of the Practice:
Communication Skills Lab

2. Goal:

To train the undergraduate medical students about:

- The importance of communication skills in medical education and practice.
- Proper methods of communication with various types of patients.

3. The Context:

Communication skills play a major role in successful outcome during medical education and practice. As compared to the rest of the world, our country is lagging behind in its implementation at educational level. This lab is an attempt to create a setup where an early and methodical training of basic communication skills can be given to the undergraduate medical students.

4. The Practice:

The lab works on the basis of an eight days' teaching module for undergraduate medical students (MBBS second year).

First four days are focused on theoretical teaching, which include the importance of communication for medical students and practicing doctors, proper method of communication during student life and a detailed description of every point of the standard format of medical history. This teaching is made more interesting and perceptible for the students by the use of various photographs and audio & video recordings of communication with different types of patients.

The practical session of the module begins with communication of students with a 'simulated patient'. During this conversation, video-recording of individual student is done and later on, feedback is given for his/her verbal and non-verbal communication. This is followed by communication with real patient (one student-one patient) and presentation of case history by the students.

5. Evidence of Success:

After completion of eight days' course, feedback was taken from the students (Open suggestions + Closed questions, on the basis of Likert scale), which produced an encouraging result from our institute.

Despite of being an optional course, all of the students had attended the complete course and participated in all the activities enthusiastically.

Almost all of the students opined in their feedback that they found all proceedings of the course very interesting, informative and acceptable. They agreed that the course has improved their communication with various types of patients. They also wished that such activities should be conducted regularly during their under graduation and that the training of ‘communication skills’ should be included compulsorily in MBBS curriculum.

6. Problems Encountered and Resources Required

Since such a training of ‘communication skills’ has still not been made compulsory in our medical curriculum by MCI, several practical difficulties were encountered during conduction of this training course.

It was difficult to arrange the suitable ‘time’ for this training course, as there is no provision of separate time period for conduction of any course other than the regular subjects. Still, we managed to spare some time from routine clinical posting of students in department of General Surgery (during MBBS second year) to organize this course.

Resources needed:

The whole setup was created with use of minimal and readily available equipments like computers, camera, LCD projector, speakers etc.

In future, we are planning to expand this course with following targets:

- Incorporation of other teaching modalities like role playing, group discussion etc.
- Expansion of the ‘Audio-Video bank’ with patients with different types of common diseases and personalities.
- Training of communication skills for nursing, para-medical and administrative staff.

7. Notes

Communication skills training can be effectively included during early stages of medical curriculum in form an interesting, informative, economic and acceptable teaching module.

DEPARTMENT OF ANATOMY

EVALUATIVE REPORT OF THE DEPARTMENT

1. Name of the Department : Anatomy
2. Year of establishment : 2007
3. Is the Department part of a college/Faculty of the university?: Yes it is part of the college
4. Names of programs offered (UG, PG, Pharm D, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : UG(MBBS), PG (MD)
5. Interdisciplinary programs and departments involved: MBBS, MD, BDS, B.Sc. Nursing, Paramedical Courses
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programs discontinued, if any, with reasons: Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Annual based credit system as per directives of the apex body (MCI)
9. Participation of the department in the courses offered by other departments: Integration of the teaching with various subjects of medical science

Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	01
Associate Professor/Reader	02	01	01
Assistant Professor	03	03	03

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Special-ization	No. of Years of Experience
Dr.Vineet Kumar Gohiya	M.S.	Professor & HOD	Anatomy	13
Dr. Satya N. Shukla	M.S.	Associate Professor	Anatomy	9
Dr. Anjali Prasad	M.S.	Assist. Professor	Anatomy	6
Dr.Avantika Bamne	M.S.	Assist. Professor	Anatomy	6
Dr.Atul Raut	M.S.	Assist. Professor	Anatomy	4

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:
Nil
13. Percentage of classes taken by temporary faculty – program-wise information : Nil
14. Program-wise Student Teacher Ratio: MBBS- 150:5, MD -2:2
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: 12
16. Research thrust areas as recognized by major funding agencies : Not applicable
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : Nil
18. Inter-institutional collaborative projects and associated grants received
a) National collaboration
b) International collaboration: Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil
20. Research facility / centre with
 - a) state recognition
 - b) national recognition
 - c) international recognition
 - Well equipped Departmental Research lab and central research Lab. Recognized by M.C.I., state and central government
 - Central animal house as per CPCSEA guidelines and IAEC (Institutional Animal Ethics Committee).
 - Scientific Evaluation committee to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
 - Institutional Ethics Committee (IEC), registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical aspects concerned with research projects.
 - Fully equipped, MCI recognized dissection hall, museum and research Lab.
21. Special research laboratories sponsored by / created by industry or corporate bodies: Not applicable
22. Publications:
 - Potentiation of morphine analgesia with co- Administration of Nimodipine in Rat, Tail- flick test study Implication in treatment of chronic pain. IJMSPH 2014/vol 3 / Issue 03 Satya Narayan Shukla, Subrata Basu Roy
 - Intra- thecal fentanyl in prevention of intraoperative Shivering International journal Biology Medical Res. 2014; 5(1) 3862-3864 Sarita Gohiya, Satya N. Shukla
 - Study of Anatomical variations of Anterior Nerve of Cat and its clinical significance : A Cadaveric Study , IJMSPH 2014/ vol 03/ Issue 03 Satya N. Shukla
 - Co administration of Nimodipine with morphine in Rat delayed the development of tolerance to analgesic effect of morphine: the tail flick test study : New insight for treatment of chronic pain : International journal of Bio Medical research 2015 ; 6 (10): 786-793 Satya N Shukla & Subrata Basu Roy

- Estimation of stature from Head length in Living IN marathwada region of Maharashtra. International journal of recent scientific Research Vol. 5 Issue 10 pp- 1745-1748 october , 2014 Anjali Prasad, VB Bhagwat, Abhishek Kumar D.S. Joshi
- All Estimation of Human stature from length of ulna in Marathwada region Maharashtra. International journal Biology Medical res. 2012, 3(4): 2337-2341 Anjali Prasad
- Estimation of stature from length of ulna in Maharashtraian population. International Journal of Medical Science and Public Health Vol. 4 Issue 1 2015. S.N. Shukla Rajveer S. Chourasia, Vineet K. Gohiya
- Estimation of Cranial Capacity in 20–25 Year Old Population of Madhya Pradesh, a State of India. *Int. J. Morphol.*, 28(4):1211-1214, 2010. Vineet Gohiya, Sudha Shrivastva
- A Comparative Study of Cranial Capacities in Bheel Tribes & Non- tribal Population in age Group 20-25 Years old in Madhya Pradesh. J Punjab Acad Forensic Med Toxicol 2010; 10 (2) Vineet Gohiya
- Comparative Study of Cranial Capacity of the Non-tribal with Korku Tribal Population of Madhya Pradesh, India. *Int. J. Morphol.*, 30(1):263-265, 2012. Vineet Gohiya, Sudha Shrivastva
- Comparison of Cranial Capacity of The Non-Tribal With Keer Tribal Population of Madhya Pradesh. J Punjab Acad Forensic Med Toxicol 2011;11(2) Vineet Gohiya, Sudha Shrivastva
- A Comparative study of efficacy of fentanyl added to Bupivacaine versus Bupivacaine alone used in supraclavicular brachial block for upper limb surgeries. *J Pharm Biomed Sci.* 2013 August; 33(33): 1573-1576. Sartia Gohiya & Vineet Gohiya
- Morphometric study of the Menisci of Knee Joints of human foetuses. *Ijmsph* | 2014 | Vol 3 | Issue 1. Vineet Gohiya & Raj Pandey
- “Estimation of Human Stature from ulnar length in Rural Region of Maharashtra” “(IJCAP)” Vol.3, Issue. 3. Anjali Krishna Prasad, Satya Narayan Shukla, Abhishek Dinesh Kumar
- “Differential Expression of Mu Opioid Receptors And N-Type Calcium Channels In The Amygdala Of Morphine Tolerant Rat- : An Autoradiographic Immunohistochemistry Study” **(IJCAP)**” Vol.3, Issue. 4. Satya Narayan Shukla, Sarabpreet Singh, Subrata Basu Ray...

23. Details of patents and income generated: nil
24. Areas of consultancy and income generated : Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil
26. Faculty serving in
 - a) National committees
 - b) International committees
 - c) Editorial Boards d) any other (specify)

Dr. V.Gohiya: ASI Life Member, Reviewer of IJMSPH

Dr.S.N.Shukla: ASI Life Member, NJBMS- life member, IASP- life member , SOCA-Life , member & Editorial board member, Reviewer of IJCAP

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). By Medical education training programme, seminar, group discussions, Journals club, CME, Guest lectures, Academic meet, research methodology workshop, Pharmacovigilance workshop.
28. Student projects
 - a) Percentage of students who have taken up in-house projects including inter-departmental projects :
All U.G. students are involved in departmental projects and PG students are required to write a thesis.

The projects completed by PG students are:

- Dr Rajveer Singh Chaurasia : Estimation of stature from head, hand & foot length
- Dr Hina Ben Ninama: Study of lip prints as an aid for sex determination in age group ranging from 18-25 years
- Dr Atul C. Raut: Analysis of various parameters of hip bone for determination of sex
- Dr. Shruti Tomar: A clinic Anatomical Study of Primary Infertility in Couples
- Dr.Narayan Parmar: Sexual variation of the Hyoid bone- a Study of adult age group in Indore region of Madhya Pradesh
- Dr.Archana Sinha: Morphological study of Hepatobiliary system in Adult Human Liver.

- b) Percentage of students doing projects in collaboration with other universities / industry / institute: Nil
- 29. Awards / recognitions received at the national and international level by
 - a) Faculty
 - b) Doctoral / post doctoral fellows
- Students: Every year a number of students are getting distinction in MBBS examination conducted by Devi Ahilya University, Indore.

Distinctions received in Anatomy for last 4 years:

2015: Navnee Jain, Mranali Jaiswal, Khadija D, Manali Chawla, Garima Gupta, Suruchi Nigam, Upasana Yadav, Pratiti Jain, Anchal Anand, Ashita Jain, Anjali Mittal

2014: Avani pant, Renu saroha, Rachana kanwar, Manali mistry, B.V.monika

2013: Aparajita, Neeha Khan, Utkarsha Jain

2012: Roopal Khare, Richa Singh, Monika Nebhnani, Arpita Das

- 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.: Nil
- 31. Code of ethics for research followed by the departments: Code of ethics followed are according to guidelines of Central Drugs Standard Control Organization, the ICMR , Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under guidance of Scientific Evaluation committee (SEC) & Institutional Ethics Committee (IEC) of the institution.
- 32. Student profile program-wise : Subject is the part of MBBS course. 150 U.G. Students and one PG student are selected through a competitive examination held by state government/ NEET/DMAT. For the details in concern with the process and student profile please refer criteria 2.1

Post graduate students profile

Name of the program	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MD 2011	As per state government / DMAT	1	1	100	100
MD 2012		1	1	100	100
MD 2013		1	1	Result awaited	

33. Diversity of students

Name of the program (refer to question no. 4)	% of students from the same university	% of students from other universities within the state	% of students from the universities outside the state	% of students from other countries
MD 2011		1(50%)	1(50%)	
MD 2012			2(100%)	
MD 2013	1(50%)	1(50%)		

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.: Nil in the mentioned categories. However admission in Medical college is based on clearance of competitive examination conducted by Central or state government or DMAT.

35. Student progression :
Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	2 (40%)
from other universities within the State	
from universities from other States	3 (60%)
from universities outside the country	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

- a) Library: there is central library with a capacity of 460 and total books 15922 and journals 100-. The titles related to subject are 1007. Additionally there's a departmental library with a sitting capacity of 25 and number of books 355.
- b) Internet facilities for staff and students: wi-fi facility is available at library premises. LAN & internet is available in the department.
- c) Total number of class rooms: Among the 5 class rooms of college, one is allotted for Anatomy classes.
- d) Class rooms with ICT facility and 'smart' class rooms: All the class rooms are with ICT facility. Additionally department is having two demonstration room with a capacity of 85 each.
- e) Students' laboratories: Beside dissection hall, the department also has Histology practical Lab & research lab. There is also a museum.
- f) Research laboratories: There's one research lab in the department and one central research lab for the research activities.

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university: Nil
- b) from other institutions/universities: Nil

40. Number of post graduate students getting financial assistance from the university: All Post graduates receive stipends as per the norms of state government.

41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology: MCI guidelines are followed to develop any new programme.
42. Does the department obtain feedback from
- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback ? : Frequent meeting of the departmental faculty is planned to provide and to analyze the feedback.
 - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ? The institution collects the student feedback and that is shared for the required improvement in teaching-learning evaluation.
 - c. alumni and employers on the programs offered and how does the department utilize the feedback ? Alumni also provide the feedback for the departmental activities in the same manner as for the students.
43. List the distinguished alumni of the department (maximum 10):
Student Alumni:
Faculty Alumni
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

S. No.	Date	Speaker	Topic
1.	24/2/15	Prof. Dr. Ganni Bhaskara Rao, Chairman of GSL Medi. Coll. In Rajamundry, (A.P.)	Role of simulation in Medical Education
2.	2/5/15	Prof. Dr. D.K. Taneja M.S. (Ex Dean MGM Medical College, Indore	Orientation for Post Graduate residents towards becoming a good doctor
3.	3/6/15	Dr. Anil Singhavi M.D. (Consultant hemotologist)	Recent advances in sickle cell disease treatment
4.	11/6/15	Dr. Idris Khan M.D. D.M. (Consultant Cardiologist, Bombay Hospital, Indore	Recent advance in Cardiology
5.	2/7/15	Dr. Niraj Jain M.D. D.M. (Consultant Gastro entrelogist, CHL Hospital)	Hepatitis-B an update

S. No.	Date	Speaker	Topic
6.	10/7/15	Dr. Sandeep saxena M.D. D.M. (Nephrologist, Apollo Hospital Indore)	Chronic kidney disease management an update
7.	8/8/15	Prof. Dr. P.C. Manoria Director Manoria Heart Care & Intervention Center, Bhopal (M.P.)	ST Elevation Myocardial infarction
8.	21/8/15	Prof. Dr. Saurabh Malviya M.D. (HOD- Rheumatology, Medanta Hospital, Indore)	“Arthritis – Myths & Pearls”
9.	3/9/15	Dr. Prashant Bhartiya (corneal Transplant Surgery) M.D. (AIIMS) D.N.B., FRCS (U.K.)	“Current scenario in Corneal Surgery”
10.	1/12/15	Dr. Piyush Gupta, M.D. Ohio, USA	Inner Healing
11.	28/1/16	Dr. Bhagyesh Pore, Eye, Orbit, Oculoplasty & oncosurgeon; Shakuntla Netralaya, Indore	Orbit & Oculoplasty surgical overview
12.	11/2/16	Dr. Prakash G. Chitalkar, Professor of Medical oncology, SAIMS, Indore	Hopeful Oncology- the emergence of young adult cancer medicine
13.	18/2/16	Dr. Shrikant Fatak, HOD, ENT, Choithram Hospital, Indore	Human voice & voice disorders
14.	9/8/16	B.K. Vika Bahen, Prajapita Bramhakumaris Ishwariya Vishwavidhyalaya	Spirituality and Health care

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

- Monthly evaluation of the progress through class test
- Topic completion test
- MCQs based evaluation
- Seminars/journals club/ group discussion
- Participation in local/state/national conferences/CMEs/workshop

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?
The analysis of the university result and feed back by the students and alumni is utilized for the monitoring of learning outcomes.
47. Highlight the participation of students and faculty in extension activities.
Students, staff and faculty are regularly participating in blood donation, plantation, swachhata abhiyan and organ & cadaver donation campaign.
48. Give details of “beyond syllabus scholarly activities” of the department.
The department plays a key role in cadaver donation campaign.
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: All the program of the department are recognized by MCI as per the standard norms
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Researches of the department are additive to the already existing knowledge of medical science.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Regular lectures & Practical's
- Regular embalming of donated bodies
- Preparation of histology slides for teaching
- Preparation of Models for teaching
- Availability of a battery of highly experienced, motivated and devoted faculty.
- Research oriented environment in the department
- Publications of original research articles

Weaknesses:

- Communication skill of some of students is poor because of their gathering from various states.

Opportunities:

- Post graduates are trained to various research methods likes Histotechniques, Embalming, preparation of Models & Anthropometric study

- Postgraduates are also capable of taking up teaching assignments.

Challenges:

- Overcoming the communication barrier
- Getting financial grants from national governmental bodies as well as the industry.

52. Future Plans

- Continuing enhancement of the research projects by procuring the recent additional technology.
- Establishment of Genetic laboratory for Genetic study like Karyotyping, PCR, RT-PCT, FISH, etc.

DEPARTMENT OF ANESTHESIOLOGY

EVALUATIVE REPORT OF THE DEPARTMENT

1. Name of the Department : Anesthesia
2. Year of establishment : 2007
3. Is the Department part of a college/Faculty of the university?: Yes it is part of the college
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : UG(MBBS), PG (MD)
5. Interdisciplinary programs and departments involved: MBBS, MD, BDS, B.Sc. Nursing
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programs discontinued, if any, with reasons: Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Annual based credit system as per directives of the apex body (MCI)
9. Participation of the department in the courses offered by other departments: Integration of the teaching with various subjects of medical science
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	02	01
Associate Professor/Reader	02	01
Assistant Professor	05	02
Senior Resident	03	10

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Sangeeta Bansal	MD	Professor	Anesthesia	11
Dr. Khairunnisa K. Khan	MD	Professor	Anesthesia	12
Dr. Janki Singh	MD	Associate Professor	Anesthesia	9
Dr. Girish Verma	MD	Assistant Professor	Anesthesia	10
Dr. Yogesh Tilkar	MD	Assistant Professor	Anesthesia	6
Dr. Sanjivni Karmalkar	DA	Senior resident	Anesthesia	10
Dr. A.N. Nayyar	DA	Senior resident	Anesthesia	10
Dr. Sanjay Ansoliya	DA	Senior resident	Anesthesia	10
Dr. Hema A. Prabhu	DA	Senior resident	Anesthesia	10
Dr. Ramesh Vaidya	DA	Senior resident	Anesthesia	10
Dr. Pheroze Shah	DA	Senior resident	Anesthesia	8
Dr. Girish Mundra	DA	Senior resident	Anesthesia	8
Dr. Dilip Bhand	DA	Senior resident	Anesthesia	8
Dr. Vijay Jain	DA	Senior resident	Anesthesia	8
Dr. Neetu Gupta	DA	Senior resident	Anesthesia	4

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:
Nil
13. Percentage of classes taken by temporary faculty – program-wise information : Nil
14. Program-wise Student Teacher Ratio: MBBS- MBBS- 150: 15, MD - 06: 3 Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: 13
15. Research thrust areas as recognized by major funding agencies : Not applicable
16. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : Nil
17. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration
 - b) International collaboration: Nil
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil
20. Research facility / centre with
 - a) state recognition
 - b) national recognition
 - c) international recognition

The department shares the following research facilities of the institute:

- Central research Lab recognized by M.C.I., state and central government
- Scientific Evaluation committee to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
- Institutional Ethics Committee (IEC), registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical aspects concerned with research projects.

21. Special research laboratories sponsored by / created by industry or corporate bodies: Not applicable
22. Publications:

Text Books: Nil

1.	Comparative study of efficacy of fentanyl added to Bupivacaine versus Bupivacaine alone used in supraclavicular brachial block for upper limb surgeries. Sarita Gohiya , Vineet Gohiya Journal of Pharmaceutical and Biomedical Sciences (JPBMS) ISSN 2330-7885 2013
2.	Reporting of the methodological quality and ethical aspects in clinical trials published in Indian Journals: A Survey Jaykaran, Sarita Gohiya, Vineet Gohiya, Gopal Sharma, Manoj Kumar Saurabh & Preeti Yadav Journal of Pharmacy Research Vol.3. Issue 2. February 2010, 3(2), 307-309
3.	Reporting of Power, Sample Size and Confidence interval in negative clinical trials Published in four Indian Medical Journals Jaykaran, Manoj Kumar Saurabh, Sarita Gohiya, Vineet Gohiya, Gopal Sharma and Nilesh Chavda Journal of Pharmacy Research 2010 Vol.3(2), 298-300

Dr. K.K. KHAN, Professor & Head

Sr. No.	Title	Name of authors	Date of publication.
1	Ilio inguinal nerve block for post operative analgesia in lower abdominal surgery done through pfannentiel incision	Dr.khairunnisa khan, sanjot ninave, M.H.Nagrале, A.C.Tikle	Vol 5.No4.dec-2010.p-215-217
2	Muscle twitching and hiccups with propofol	Dr.khairunnisa khan	Vol 27.No.3.july-2011.p-418
3	Anaesthetic management of a case of chronic idiopathic (lone) atrial flutter posted for vaginal hysterectomy	Dr.khairunnisa khan, M.H.Nagrале, Rashmi deshпande, Sandeep joshi	Vol 6.No.3.july-sept.2011.p-163-165
4	Study between intra- thecal hyperbaric bupivacaine &	M.H.Nagrале, Dr.khairunnisa	Vol 7.No.2.April-

Sr. No.	Title	Name of authors	Date of publication.
	hyperbaric bupivacaine with clonidine for orthopedic surgery. A randomized double blinded study.	khan, Neeta verma	june 2012.p-93-69
5	Marfan syndrome – Anaesthesia management of a case of marfan syndrome with dislocated lens of mature cataract both eyes.	Dr.K.K.KHAN, Prachee Nagrale, H.R.Nagrale Neeta verma	Vol 9.No.3.july-sept.2014.p-196-198

PUBLICATION BY:- Dr. Sangeeta Bansal Agarwal, Professor

Paper No.	Name of article	Journal name	Date
1.	Effect adding clonidine versus fentanyl to intrathecal bupivacaine on spinal block characteristics in orthopedic procedure: A double blind controlled study.	International journal of medical science and public health.	Dec 6-2014
2.	A randomized controlled double-blinded prospective study of the efficacy of low dose of dexmedetomidine as an adjunct to intrathecal bupivacaine in hysterectomies.	International journal of medical science and public health.	2014
3.	Brain lesion in eclampsia.	Journal pharmaceutical and biomedical sciences.	2014
4.	Efficacy of intrathecal clonidine in preoperative pain relief in hysterectomies.	Journal of pharmaceutical & biomedical sciences.	2014
5.	Epidural clonidine for the Anaesthesia management for diagnostic procedure.	Indian journal of Anaesthesia	2016

PUBLICATION BY:- Dr. Yogesh Tilkar, Assistant Professor

Paper No.	Type of article	Name of article	Journal name	Date
1.	Original Research Article	Effect of adding clonidine versus fentanyl to intrathecal bupivacaine on spinal block characteristics in orthopedic procedure: A double blind controlled study.	International journal of medical science and public health.	published in issue - 4, volume -4 of IJMSPH in year 2015
2.	Letter to editor -	Epidural clonidine for the Anaesthesia management for diagnostic procedure.	Indian Journal of Anaesthesiology	March issue - 2016

23. Details of patents and income generated: nil
24. Areas of consultancy and income generated : Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil
26. Faculty serving in
- a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) Any other (specify)

S. No.	Name of faculty	Professional/ Academic bodies
1	Dr. K.K.Khan	Member of Indian association of anesthesiology. Member of Indian critical care society Member of research society of anaesthesiology clinical pharmacology
2.	Dr. Sangeeta Bansal	Member of Indian association of anesthesiology. Member of research society of anaesthesiology clinical pharmacology

S. No.	Name of faculty	Professional/ Academic bodies
3.	Dr. Yogesh Tilkar	Indian society of anesthesiology

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). **By Medical education training programme, seminar, group discussions, Journals club, CME, Guest lectures, Academic meet, research methodology workshop.**

28. Student projects

a) Percentage of students who have taken up in-house projects including inter-departmental projects :

All PG students are required to write a thesis.

The projects of PG students under process are:

1	To evaluate the effect of dexmedetomidine as an adjuvant to local anaesthetic agents in supraclavicular brachial plexus block for elective upper limb surgery	Dr. Rahul Gupta
2	A comparative study between intravenous Dexmedetomidine & propofol for intraoperative sedation during regional anesthesia	Dr. Shashank Shekhar
3	To study the effect of intravenous dexmedetomidine in the prevention of intra operative shivering in patients undergoing lower abdominal surgeries under spinal anesthesia	Dr. Ankit Gupta
4	To study the difference between the hemodynamic changes seen in total intravenous anesthesia among Propofol – Ketamine and Propofol - Fentanyl	Dr. Rahul Kumar
5	A comparative clinical study of intrathecal dexmedetomidine 5 µg & dexmedetomidine 10 µg with 0.5% hyperbaric bupivacaine 17.5mg in elective total abdominal hysterectomy – a double blind controlled study	Dr. Saroop Kaur
6	To evaluate the effect of intrathecal clonidine 75µg as an adjuvant to bupivacaine 0.5% heavy for postoperative analgesia in lower limb orthopedic surgery	Dr. Prabha Khatri

7	To Study the effect of I.V. Lidocaine and I.M. Diclofenac in reducing Succinyl Choline induced Myalgia in General Anaesthesia.	Dr. Neha Singh
8	A Comparative Clinical Study of Dexmedetomidine 0.5 mcg/kg and Fentanyl 2mcg/kg in Attenuating Laryngeal Stress Response During Laryngoscopy and Intubation.	Dr. Sagar Rakesh Tyagi
9	A comparative study of post operative analgesia with intra articular Ropivacaine alone and intra articular Ropivacaine and Fentanyl in Arthroscopic surgery.	Dr. Anuj Pandey
10	A comparative clinical study of Intrathecal Fentanyl 25µg and clonidine 45µg with 0.5% Hyperbaric Bupivacaine 10 mg in lower segment caesarean section.	Dr. Uday G.
11	To evaluation the effect of Dexmedetomine as an Adjuvant to local Anaesthetic agents in Sciatic nerve block and Femoral nerve block for elective lower limb surgery.	Dr. Shashank Dhaketa
12	Comparative study of the effect on post operative pain of intravenous clonidine given before induction of general anaesthesia in abdominal surgeries	Dr. Viroja Brijesh

- percentage of students doing projects in collaboration with other universities / industry / institute : Nil

28. Awards / recognitions received at the national and international level by

- a) Faculty: Dr. K.K.Khan as a chairperson & Judge in Silver Jubilee RSACPCON 2015 at Amritsar
- b) Doctoral / post doctoral fellows: Nil

Students: Dr. Saroop Kaur got ^{2nd} prize in poster presentation at National conference of research society of anaesthesiology at Amritsar in 2015

29. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. Nil
30. Code of ethics for research followed by the departments: Code of ethics followed are according to guidelines of Central Drugs Standard Control Organization, the ICMR , Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under guidance of Scientific Evaluation committee (SEC) & Institutional Ethics Committee (IEC) of the institution.
31. Student profile program-wise : Subject is the part of MBBS course. 150 U.G. Students and one PG student are selected through a competitive examination held by state government/ NEET/DMAT. For the details in concern with the process and student profile please refer criteria 2.1

Post graduate students profile:

Name of the program	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MD 2014	As per state government / DMAT	4	2	First batch is yet to appear in exam	
MD 2015		5	1		
MD 2016		5	1		

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities Within the State	% of students From universities outside the State	% of students from other countries
MD 2014		3(50%)	1(17%)	2(33%)
MD 2015		1(17%)	4(66%)	1(17%)
MD 2016		5(83%)	1(17%)	

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.: Nil in the mentioned categories. However admission in Medical college is based on clearance of competitive examination conducted by Central or state government or DMAT.
35. Student progression :
Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.
36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	8 (54%)
from other universities within the State	2 (13%)
from universities from other States	5 (33%)
from universities outside the country	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil
38. Present details of departmental infrastructural facilities with regard to
- a) Library: there is central library with a capacity of 460 and total books 15922 and journals 100. The titles related to subject are 448. Additionally there's a departmental library with a sitting capacity of 20 and number of books 208
 - b) Internet facilities for staff and students: wi-fi facility is available
 - c) Total number of class rooms: Department shares the common class rooms of the institution, which are 5 in number as per MCI norms.
 - d) Class rooms with ICT facility and 'smart' class rooms: All the class rooms are with ICT facility
 - e) Students' laboratories: NIL
 - f) Research laboratories: Department shares the central research lab of the institution

39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university: Nil
 - b) from other institutions/universities: Nil
40. Number of post graduate students getting financial assistance from the university: All Post graduates receive stipends as per the norms of state government.
41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology: MCI guidelines are followed to develop any new program.
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback ? : frequent meeting of the departmental faculty is planned to provide and to analyze the feedback.
 - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ? The institution collects the student feedback and that is shared for the required improvement in teaching-learning evaluation.
 - c. Alumni and employers on the programs offered and how does the department utilize the feedback ? Alumni also provide the feedback for the departmental activities in the same manner as for the students.
43. List the distinguished alumni of the department (maximum 10):
First batch of postgraduates of the department is yet to appear in the examination.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Date	Speaker	Topic
24/2/15	Prof. Dr. Ganni Bhaskara Rao (President of all India Private Medical College Association & Chairman of GSL Medical Coll. In Rajamundry, (A.P.)	Role of simulation in Medical Education
23/4/15	Dr. P. Jamjute M.S. MRCOG (Consultants Urogynaecologist. NHSU U. K.)	Update in urogynaecology
2/5/15	Prof. Dr. D.K. Taneja M.S. (formerly Dean & Prof. Emeritus Orthopedics MGM Medical College, Indore	Orientation for Post Graduate residents towards becoming a good doctor
11/5/15	Prof. Dr. B.R. Parekh MCh (formerly Prof. & Head Dept. of Paediatric Surgery MGM Medical College, Indore	Spectrum of Pediatric surgical disorders
3/6/15	Dr. Anil Singhavi M.D. (Consultant Haematologist)	Recent advances in sickle cell disease treatment
11/6/15	Dr. Idris Khan M.D. D.M. (Consultant Cardiologist, Bombay Hospital, Indore	Recent advance in Cardiology
18/6/15	Dr. Rajneesh Kachara M.S. M.Ch, Director institute of neuro sciences madanta super specialty Hospital Indore	Success stories of surgical treatment of brain tumors
2/7/15	Dr. Niraj Jain M.D. D.M. (Consultant Gastro entereologist, CHL Hospital)	Hepatitis-B an update
10/7/15	Dr. Sandeep saxena M.D. D.M. (Nephrologist, Apollo Hospital Indore)	Chronic kidney disease management an update
23/7/15	Prof. Dr. Brajendra Baser M.S., AIIMS (E.N.T. Consultant)	Current trends in ENT practice
8/8/15	Prof. Dr. P.C. Manoria Director Manoria Heart Care & Intervention Center, Bhopal (M.P.)	ST Elevation Myocardial infarction
21/8/15	Prof. Dr. Saurabh Malviya M.D. (HOD-Dept. of Rheumatology, Medanta Hospital, Indore)	“Arthritis – Myths & Pearls”

Date	Speaker	Topic
3/9/15	Dr. Prashant Bhartiya (corneal Transplant Surgery) M.D. (AIIMS) D.N.B., FRCS (U.K.)	“Current scenario in Corneal Surgery”
28/1/16	Dr. Bhagyesh Pore, Eye, Orbit, Oculoplasty & oncosurgeon; Shakuntla Netralaya, Indore	Orbit & Oculoplasty surgical overview
11/2/16	Dr. Prakash G. Chitalkar, Professor of Medical oncology, SAIMS, Indore	Hopeful Oncology- the emergence of young adult cancer medicine
18/2/16	Dr. Shrikant Fatak, HOD, ENT, Choithram Hospital, Indore	Human voice & voice disorders

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
- Audio visual aids
 - Monthly evaluation of the progress through test
 - Seminars/journals club/ group discussion
 - Participation in local/state/national conferences/CMEs/workshop
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? The analysis of the university result and feed back by the students and alumni is utilized for the monitoring of learning outcomes.
47. Highlight the participation of students and faculty in extension activities.
Students, staff and faculty are regularly participating in blood donation, plantation and swachhata abhiyan.
48. Give details of “beyond syllabus scholarly activities” of the department.
Department is actively involved in CPR training to health care personals
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: All the program of the department are recognized by MCI as per the standard norms

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Researches of the department are additive to the already existing knowledge of medical science.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Experienced Faculty.
- Department is having a large number of PG students to carry out the departmental as well as research activities.
- Well equipped OT & ICU

Weaknesses:

- Lack of Newer modalities of procedure and equipment.
- Limited application of the modern technology owing to cost restriction due to the poor, non-affording patients.

Opportunities:-

- Large number of PG students and faculty is helpful to maintain patient safety during operative period
- Ability to manage super specialty surgical operations & very high risk group patients.
- Running of pain clinics & Counsels clinic for labour Analgesia.
- AHA graded CPR certified project center.
- CME programs

Challenges:

- To work with poor, illiterate low compliance patients, with certain limitations of application of latest medical technologies

52. Future plans of the department.

- Development of department of emergency medicine and critical care.
- To develop newer modalities of procedure and equipment.
- To hold a state and National level conferences.
- To get an international research project with funding.

DEPARTMENT OF BIOCHEMISTRY

Evaluative Report of the Department

1. Name of the Department : Biochemistry
2. Year of establishment : 2007
3. Is the Department part of a college/Faculty of the university?: Yes it is part of the college
4. Names of programs offered (UG, PG, Pharm D, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : UG(MBBS), PG (MD)
5. Interdisciplinary programs and departments involved: MBBS, MD, BDS, B.Sc. Nursing
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programs discontinued, if any, with reasons: Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Annual based credit system as per directives of the apex body (MCI)
9. Participation of the department in the courses offered by other departments: Integration of the teaching with various other subjects of medical science
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	01
Associate Professor/Reader	01	01	01
Assistant Professor	02	02	02

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. B.K. Agrawal	M.SC., Ph.D.	Professor	Biochemistry	40
Dr. Saba Khan	Ph.D.	Associate Professor	Biochemistry	11
Dr. Kiren B.Sodavadia	M.D.	Assistant Professor	Biochemistry	5
Dr.Amrita Wamne	M.Sc (medical biochemistry)	Assistant Professor	Biochemistry	3

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:
Nil
13. Percentage of classes taken by temporary faculty – program-wise information : Nil
14. Program-wise Student Teacher Ratio: MBBS- 150: 4, MD -2:2
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: 09
16. Research thrust areas as recognized by major funding agencies : Not applicable
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : Nil
18. Inter-institutional collaborative projects and associated grants received
- a) National collaboration
 - b) International collaboration: Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil
20. Research facility / centre with
 - a) state recognition
 - b) national recognition
 - c) international recognition
 - Well equipped Departmental Research lab and central research Lab. Recognized by M.C.I., state and central government
 - Central animal house as per CPCSEA guidelines and IAEC (Institutional Animal Ethics Committee).
 - Scientific Evaluation committee to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
 - Institutional Ethics Committee (IEC), registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical aspects concerned with research projects.

Research Lab Instrument List

S. No.	Instruments Name
1	High precision bath
2	Logical incubator
3	Water bath
4	2- Distil water plant
5	Centrifuge machine
6	Digital photocolerimetar
7	Digital balance
8	Paper strip electrophoresis
9	Autoclave
10	Spectrophotometer
11	Colorimeter
12	Gel Electrophoresis

13	Paper Electrophoresis
14	Micro Centrifuge
15	Vortex Shaker
16	Magnetic Stirrer
17	Hot air oven
18	Refrigerator
19	Deep freezer
20	TLC apparatus
21	Incubator
22	Heater
23	Chemical balance
24	Electronic balance
25	Top pan balance
26	Centrifuge (16 tubes)
27	Centrifuge (4 tubes)
28	Digital pH meter

Hospital Central Lab Instrument List

S. No.	Instrument Name
1	EM- 360 fully automatic machine
2	Nano lab fully automatic machine
3	2- Centrifuge machine
4	RO water plant
5	Easy lyte plus (Na, K,Cl) Electrolyte machine
6	2- Semi automatic machine
7	1 Incubator
8	1 Refrigerator
9	Electrolyte machine
10	AC. Lab.

21. Special research laboratories sponsored by / created by industry or corporate bodies: Not applicable
22. Publications:

Text Books:

Biochemistry for Dental Students, **Dr. Shreya Nigoskar**, JAYPEE Publications, 2007. ISBN 81-8448-049-0

Paper Publication:

Paper Publication: 1/7/2011 onwards

S. No.	Title of Research Publication
1	B.K. Agrawal , Vaishali Jain & Atul Varshney Bone turnover markers in women can predict low bone mineral density IJRMS. 2015 Apr; 3(4): 876-879
2	Vaishali Jain, B.K. Agrawal , Atul Varshney Correlation of Bone Turnover Markers with Age, BMI & Serum Oestradiol In Pre & Postmenopausal Urban Women NJIRM 2015; Vol. 6(2). March-April
3	B.K. Agrawal , Payasvi Baweja, Shreyansh Tiwari Dyslipidemia in Patients of Psoriasis JMSCR Vol 3 Issue 2 February 2015
4	Payasvi Baweja, B.K. Agrawal , V.K. Sharma, Anna Alex, S.K. Mishra Blood Sugar & Vitamin B12 Level in Psoriasis Patients in Relation to Diabetes Mellitus & Hyper Tension. JMSCR Vol. 3 Issue 4 April 2015
5	B.K. Agrawal & Sabiha Naz. Study Oxidative Stress in essential Hypertension Biomedical & Pharmacology Journal Vol. (8) 2015
6	Ramesh Chandra Thanna Shreya Nigoskar. Association of TSH (Thyroid Stimulating Hormone) with Preeclampsia as a Diagnostic Indicator. IJHSR Vol. 5 Issue 6 June 2015
7	Ramesh Chandra Thanna, Shreya Nigosker. Level of Serum ferritin and Glycated hemoglobin (HbA1C) in type 2 Diabetes mellitus. International Journal of Medical and Health Research ISSN: 2454-9142 2015

S. No.	Title of Research Publication
8	Nitu Sharma, Kiran Sodavadiya, Shreya Nigoskar, Deepti Agnihotri, B.K. Agrawal . Association between blood urea level and serum creatinine level in renal insufficiency (2014). International Journal of Medical 7 Applied Science 3(3), 238-243
9	Deepti Agnihotri, Kiran Sodavadiya, Shreya Nigoskar, Nitu Sharma, Swati Pathak. Status of Blood Lipid Profile in Chronic Renal Failure patient in Pre & Post Haemodylsis. (2014) International Journal of Medical & Applied Science 3(4), 296-302
10	Tripti Saxena, B.K. Agrawal , V.K. Sharma, Pooja Lanke & Sabiha Naz hs-CRP A New Assessment Tool in Prehypertensive Subjects Biosciences Biotechnology Research Asia, Dec 2013 Vol. 10(2), 921-924
11	Vaishali Jain, B.K. Agrawal , Atul Varshney, S.S. Biswas Use of Bone turnover markers & minerals as Indicators of Low Bone Mineral Density in Premenopausal & Postmenopausal Women for early Detection of Osteoporosis. Journal of Medical Science & Clinical Research Vol. 2 Issue 1 Pages 350-358 2013
12	Vaishali Jain, B.K. Agrawal , Atul Varshney, S.S. Biswas Prediction of bone mineral density by age, body mass index & menopausal status in middle socioeconomic status women of urban kolar region of Bhopal IOSR Journal of Dental & Medical Sciences Vol. 12, Issue 3 (Nov-Dec 2013), PP 17-21
13	Tripti Saxena, B.K. Agrawal , V.K. Sharma, Sabiha Naz & Pooja Lanke Paraoxonas Activity in Prehypertension and its Relation to Oxidative Stress Biomedical & Pharmacology Journal Vol. 6(2), 389-394 (2013)
14	Payasvi Baweja, B.K. Agrawal , V. K. Sharma & Anna Alex Oxidant & Antioxidant status in patients with Psoriasis Indian J. Applied & Pure Bio. Vol. 28(2), 143-148 (2013)
15	Payasvi Baweja, B.K. Agrawal , Asha Shrivastav & Akhilesh Agarwal Oxidant, Antioxidant Status & Serum Uric Acid Level in Psoriais Patients Vol-II, Issue-I, January-March, 2013 (57)

S. No.	Title of Research Publication
16	Baweja Payaswi, B K Agrawal , Sharma VK, Alex Anna Analysis of Serum Copper, Zinc & Iron Levels in Psoriasis & Psoriasis with Hyper Tension Patients . IJIRD Vol 2 Issue 3 March 2013
17	Bhawna Bhimte, B.K. Agrawal , V.K. Sharma & Sarika Chauhan Oxidative Stress in Hypothyroid Patients. Biomedical Research Vol.23(2) 2012

23. Details of patents and income generated: nil
24. Areas of consultancy and income generated : Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil
26. Faculty serving in
- a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) any other (specify)
- Dr. B. K. Agrawal
- a) Member Association of Clinical Biochemistry of India.
 - b) Member International Biographical Central Cambridge, England.
 - c) Ex-coordinators Paramedical Courses Barkatullah university Bhopal.
 - d) Ex-Chairman Board of studies Faculty of Medicine Barkatullah University Bhopal.
 - e) Chairman Affiliation Committee for UG/PG Barkatullah University Bhopal.
 - f) Ex-Member selection Board as Joint Director Medical Education (M.P) Bhopal.
27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). **By Medical education training programme, seminar, group discussions, Journals club, CME, Guest lectures, Academic meet, research methodology workshop.**

28. Student projects

Percentage of students who have taken up in-house projects including inter-departmental projects : All U.G. students are involved in departmental projects and PG students are required to write a thesis.

Projects completed by PG students:

- Dr. Deepti Agnihotri: Lipid profile in chronic renal failure
- Dr. Kapil Shrivastava: Lipid profile in Atherosclerosis
- Dr. Sanjiv Sinha: Study of serum lipid density lipoproteins level in diabetes
- Dr. Anand: Study of correlation between serum uric acid and dislipidemia in essential hypertensive management.
- Dr. Amit: Correlation between glycosylated hemoglobin and lipid profile in type 2 DM with or without complication
- Dr. Sonali: Role of inflammation in developing cardiovascular risk in pre- hypertensive and hypertensive patient

The ongoing projects of PG students are:

- Dr. Sunita Singh: Biochemical markers for early detection of risk of nephropathy and atherosclerosis in type 2 diabetes mellitus patients.
- Dr. Pragati Khanorkar: Study on the role of biochemical markers in diabetic patients with cataract and retinopathy attending index medical college, Indore.
- Percentage of students doing projects in collaboration with other universities / industry / institute : Nil

29. Awards / recognitions received at the national and international level by

- Faculty : International Award received by Dr. B.K. Agrawal for Excellency in research as “Leading Scientist of the world 2007” Awarded by International Biographical Center Cambridge England.
- a) Doctoral / post doctoral fellows : Nil
- b) Students: Every year a number of students are getting distinction in MBBS examination conducted by Devi Aphelia University, Indore. Distinctions received in last 4 years.

2015	2014	2013	2012
Upasana Yadav Pratiti Jain Navnee Jain Manali Chawla Garima Gupta Suruchi Nigam Ashita Jain Robin Yadav	Avani pant Sonalika swain Tabbu Chhaged	Karishma Makwane	Roopal Khare Richa Singh Shivani Kale Shivani Pandit A.Saral Abhilasha Verma ShaliniThakur

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Nil

31. Code of ethics for research followed by the departments: Code of ethics followed are according to guidelines of Central Drugs Standard Control Organization, the ICMR , Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under guidance of Scientific Evaluation committee (SEC) & Institutional Ethics Committee (IEC) of the institution.

32. Student profile program-wise : Subject is the part of MBBS course. 150 U.G. Students and one PG student are selected through a competitive examination held by state government/ NEET/DMAT. For the details in concern with the process and student profile please refer criteria 2.1

Post graduate students profile

Name of the program	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MD 2011	As per state government / DMAT	1	1	100	100
MD 2012		2		100	
MD 2013		1	1	-	
MD 2014		-	1	Yet to appear in exam.	
MD 2015		-	1		

33. Diversity of students

Name of the program (refer to question no. 4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
MD 2011		2 (100%)		
MD 2012			2 (100%)	
MD 2013		1 (50%)	1 (50%)	
MD 2014	1(100%)			
MD 2015			1 (100%)	

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.: Nil in the mentioned categories. However admission in Medical college is based on clearance of competitive examination conducted by Central or state government or DMAT.

35. Student progression :
Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	
from other universities within the State	2 (50%)
from universities from other States	2 (50%)
from universities outside the country	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to
- a) Library: there is central library with a capacity of 460 persons and total books 15670 and journals 100. The titles related to subject are 174 Titles, 456 Books. Additionally there's a departmental library with a sitting capacity of 16 persons and number of books 225
 - b) Internet facilities for staff and students: wi-fi facility is available at library premises. LAN & internet is available in the department.
 - c) Total number of class rooms: Department shares the common class rooms of the institution, which are 5 in number as per MCI norms.
 - d) Class rooms with ICT facility and 'smart' class rooms: All the class rooms are with ICT facility. Additionally department is having two demonstration room
 - e) UG Lab: One Practical Laboratory with capacity 90 Students area 200 Sq/m
PG Lab: PG Lab 01
Central Laboratory located in the Hospital for Biochemistry Investigation of OPD & IPD patients.
Research laboratories: There's one research lab in the department and one central research lab for the research activities.
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university: Nil
 - b) from other institutions/universities: Nil
40. Number of post graduate students getting financial assistance from the university: All Post graduates receive stipends as per the norms of state government.
41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology: MCI guidelines are followed to develop any new programme.
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback ? : Frequent meeting of the departmental faculty is planned to provide and to analyze the feedback.

- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ? The institution collects the student feedback and that is shared for the required improvement in teaching-learning evaluation.
- c. Alumni and employers on the programs offered and how does the department utilize the feedback? Alumni also provide the feedback for the departmental activities in the same manner as for the students.
43. List the distinguished alumni of the department (maximum 10):
- Dr. Deepti Agnihotri is Asst. Professor in our own department.
 - Dr. Kapil Shrivastava is tutor at Gajra Raje Medical College, Gwalior
 - Dr. Sanjiv Sinha is at Civil Hospital, Patna
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

S. No.	Date	Speaker	Topic
1.	24/2/15	Prof. Dr. Ganni Bhaskara Rao , Chairman of GSL Medi. Coll. In Rajamundry, (A.P.)	Role of simulation in Medical Education
2.	2/5/15	Prof. Dr. D.K. Taneja M.S. (Ex Dean MGM Medical College, Indore	Orientation for Post Graduate residents towards becoming a good doctor
3.	3/6/15	Dr. Anil Singhavi M.D. (Consultant hemotologist)	Recent advances in sickle cell disease treatment
4.	11/6/15	Dr. Idris Khan M.D. D.M. (Consultant Cardiologist, Bombay Hospital, Indore	Recent advance in Cardiology
5.	2/7/15	Dr. Niraj Jain M.D. D.M. (Consultant Gastro entrelogist, CHL Hospital)	Hepatitis-B an update
6.	10/7/15	Dr. Sandeep saxena M.D. D.M. (Nephrologist, Apollo Hospital Indore)	Chronic kidney disease management an update
7.	8/8/15	Prof. Dr. P.C. Manoria Director Manoria Heart Care & Intervetion Center, Bhopal (M.P.)	ST Elevation Myocardial infarction

S. No.	Date	Speaker	Topic
8.	21/8/15	Prof. Dr. Saurabh Malviya M.D. (HOD- Rheumatology, Medanta Hospital, Indore)	“Arthritis – Myths & Pearls”
9.	3/9/15	Dr. Prashant Bhartiya (corneal Transplant Surgery) M.D. (AIIMS) D.N.B., FRCS (U.K.)	“Current scenario in Corneal Surgery”
10.	28/1/16	Dr. Bhagyesh Pore, Eye, Orbit, Oculoplasty & oncosurgeon; Shakuntla Netralaya, Indore	Orbit & Oculoplasty surgical overview
11.	11/2/16	Dr. Prakash G. Chitalkar, Professor of Medical oncology, SAIMS, Indore	Hopeful Oncology- the emergence of young adult cancer medicine
12.	18/2/16	Dr. Shrikant Fatak, HOD, ENT, Choithram Hospital, Indore	Human voice & voice disorders
13.	9/8/16	B.K. Vika Bahen, Prajapita Bramhakumaris Ishwariya Vishwavidhyalaya	Spirituality and Health care

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
- OHP, LCD Projector, and Microteaching.
 - Monthly evaluation of the progress through class test
 - Topic completion test
 - MCQs based evaluation
 - Seminars/journals club/ group discussion
 - Participation in local/state/national conferences/CMEs/workshop
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? The analysis of the university result and feed back by the students and alumni is utilized for the monitoring of learning outcomes.
47. Highlight the participation of students and faculty in extension activities.
Students, staff and faculty are regularly participating in blood donation, plantation and swachhata abhiyan.
48. Give details of “beyond syllabus scholarly activities” of the department.
The department plays a key role in biochemistry investigations of the patients.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: All the program of the department are recognized by MCI as per the standard norms
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Researches of the department are additive to the already existing knowledge of medical science.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

1. Department is having sufficient faculty members and Paramedical Staff.
2. Sufficient Clinical material is available due to 1100 bedded Hospital

Weaknesses:

Institution is away from urban area and lack of adequate general transport therefore the urban community is not properly utilizing the hospital facility.

Opportunities:

1. Lot of Job Opportunity for the students. They can join the teaching hospitals or other hospitals. They can also establish their own set ups in the urban and rural areas
2. State of art training in the biochemical procedures is available for proper training of the students.

Challenges:

1. Hard working with a focus target is required to up grade the students of weaker section.
 2. Faculty needs to maintain up gradation of rapidly developing biochemical procedures.
52. Future plans of the department.
- To organize a national level conference
 - To purchase a radio-immune assay machine for better and early diagnosis of disease.
 - To get accreditation with NABH

DEPARTMENT OF
COMMUNITY MEDICINE (PSM)

EVALUATIVE REPORT OF THE DEPARTMENT

1. Name of the Department : Community Medicine (PSM)
2. Year of establishment : 2007
3. Is the Department part of a college/Faculty of the university?: Yes it is part of the college
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : UG(MBBS), PG (MD)
5. Interdisciplinary programs and departments involved: MBBS, MD, BDS, B.Sc. Nursing
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programs discontinued, if any, with reasons: Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Annual based credit system as per directives of the apex body (MCI)
9. Participation of the department in the courses offered by other departments: Integration of the teaching with various subjects of medical science
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	03	03
Associate Professor/Reader	01	01
Assistant Professor	03	03

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. (Col.) V. K. Arora	M.D.	Professor (HOD)	PSM	16
Dr. Harilal Dabhi	M.D.	Professor	PSM	37
Dr. Jaishree Bute	M.D.	Professor	PSM	11
Dr. Aarti Sahastrabudde	M.D.	Associate Professor	PSM	09
Dr. Sangeeta Kori Gadpal	M.D.	Assistant Professor	PSM	04
Dr. Vithal Raghoji Zare	M.D.	Assistant Professor	PSM	5
Mr. Shailendra Rawal	M.SC.	Statistician Cum /Assistant Professor	Statistics	3

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:
Nil
13. Percentage of classes taken by temporary faculty – program-wise information : Nil
14. Program-wise Student Teacher Ratio: MBBS- 150/7, MD -2/4
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: 9
16. Research thrust areas as recognized by major funding agencies : Not applicable
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : Nil

18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration
 - b) International collaboration: Nil
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil
20. Research facility / centre with
 - a) state recognition
 - b) national recognition
 - c) international recognition
 - Well equipped Departmental Research lab and central research Lab. Recognized by M.C.I., state and central government
 - Central animal house as per CPCSEA guidelines and IAEC (Institutional Animal Ethics Committee).
 - Scientific Evaluation committee to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
 - Institutional Ethics Committee (IEC), registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical aspects concerned with research projects.
21. Special research laboratories sponsored by / created by industry or corporate bodies: Not applicable
22. Publications:

Text Books: Nil

Paper Publication:

2012:

 1. “Observational study of chemoprophylaxis with chloroquine and doxycycline on incidence of malaria in north-east sector of India” Dr V.K. Arora, Dr A S Berad. WebmedCentral PREVENTIVE MEDICINE 2012;3(4):WMC003216
 2. “Marital adjustment among working and non working women” A.K. Shrivastava, Shireen Sharma, Urmila Sharma, B.K.Sharma, Research

Journal of Arts, Management & Social Sciences, Volume VII, Sept 2012

2013:

1. “Study of Co-morbidities in Children (0-6 years) and Malnutrition in Rural Area of Indore District, MP, India” Dr. Aditya S Berad, Prabhakar Gangadhar Anwekar, Journal of Pharmaceutical and Biomedical Sciences, March 2013
2. “Social Problem in aged rural male and female” Neha Sharma, Shireen Sharma, Urmila Sharma, Research Journal of Social & life Sciences, Vol XIV, June 2013

2014:

1. “Sexual Behaviour Among Migrant Construction Workers In Indore” Dr.V.K. Arora, Dr. Piyusha Mahashabde, Dr Shireen Sharma, IJMSPH,2014,Vol 3, Issue 5
2. “Pattern of Antenatal Care Services utilization in women delivered at Tertiary Care level hospital in Urban Area, Mumbai” Dr Jayashri bute, Dr Pragati Chavan, Dr S.N. Nagaonkar, IJSR, Vol 3, Issue 1, Jan 2014, Pg 20-22
3. “Antenatal Care Services utilization in women delivered at Tertiary Care level hospital in Urban Area, Mumbai” Dr Jayashri bute, , Dr S.N. Nagaonkar, Dr Pragati Chavan, IJSR, Vol 3, Issue 1, Jan 2014, Pg 23-26
4. “Prevalence Of Anaemia & Its Socio-Demographic Determinants In Pregnant Women” Dr Piyusha Mahashabde, Dr.V.K Arora, Dr Shireen Sharma, Dr. Ahmed Shahjada, Dr H.M.Dabhi, NJCM, Vol 5, Issue 1, Jan-Mar 2014
5. “Knowledge & Behaviour Regarding Swine Flu Among Interns at Index Medical College, Hospital & Research Centre, Indore(M.P)” Dr Shireen Sharma, Dr Piyusha Mahashabde, Dr V.K. Arora, JEMDS, Vol 3, Issue 10, March 2014
6. “Evaluation of Antenatal Checkup Practices Observed Among Beneficiaries & Non Beneficiaries under Janani Suraksha Scheme, Indore, India” , Dr Shireen Sharma, Dr Ahmed Shahjada, Dr. Piyusha Mahashabde, Dr V.K. Arora, Dr Abhishek Bachhotiya, NJCM, Jul-Sept 2014

7. "Evaluation of Intervention on Voluntary Blood Donation among first proff Medical & Dental Students of IMCHRC, Indore" Dr Abhishek Bachhotiya, Dr.V.K.Arora, Dr Piyusha Mahashabde, NJCM, Jul-Sept 2014
8. "A cross sectional study to determine the tobacco use pattern among school children in central India" Dr. Aarti Sahasrabuddhe, Dr. Jayashri Bute, Dr. H.M.Dabhi, Dr. V.K.Arora; Journal of Research in Medical and Dental Sciences, July-September 2014
9. "Correlation between Immunization and Nutritional Status of Under Five Children in Peri- Urban Area, Madhya Pradesh" Dr. Ahmed Shahjada, Dr.V.K.Arora,Dr Shireen Sharma, Dr Abhishek Bachhotiya, Dr Piyusha Mahashabde, NJCM, Oct-Dec 2014
10. "Determinants of Occupational Exposure to Blood-borne Pathogens Among Resident Doctors in A Tertiary Care Hospital in the City of Mumbai" Dr. Aarti G. Sahasrabuddhe, Dr. SR Suryawanshi, Dr. Ratnesh Khare, International Journal of Medical Sciences and Public Health, Vol 3, Issue 8, 2014.

2015:

1. "Stress among Doctors Doing Residency: A Cross-sectional Study at a Tertiary Care Hospital in the City of Mumbai". Dr. Aarti G. Sahasrabuddhe. NJCM Vol.6 Issue 1 Jan-Mar 2015.
2. "Pre-hypertension and Hypertension and its Determinants among School Children in Rural Area of Indore-A Cross-sectional Study". Dr. Jayashri Bute, Dr. Aarti Sahasrabuddhe, Dr. V.K.Arora, Dr. H.M.Dabhi. NJCM, Vol.6, Issue 2, Apr-Jun 2015
3. "A Cross-sectional Study of Anxiety and Depression among Doctors in a Medical College in Central India". Dr. Abhishek Bachhotiya, Dr. VK Arora, Dr. HM Dabhi. IJPMN, Vol 2 Issue 3 July-Sept 2015
4. "A Cross-sectional Study Assessment of Knowledge of ASHA Workers". Dr. Sangeeta Kori. Journal of Krishna Institute of Medical Sciences University, Vol.4, No.4, Oct-Dec 2015

2016:

1. "A Cross-sectional Study of Mental Well-being Among Undergraduate Students in a Medical College in Central India". Dr. Jayashri B Bute, Dr. Abhishek Bachhotiya, Dr. V.K.Arora, Dr. Sangeeta Kori. International Journal of Medical Sciences and Public Health, Vol.5, Issue 09, 2016

23. Details of patents and income generated: nil
24. Areas of consultancy and income generated : Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil
26. Faculty serving in
 - a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) Any other (specify)
27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). **By Medical education training programme, seminar, group discussions, Journals club, CME, Guest lectures, Academic meet, research methodology workshop, Pharmacovigilance workshop, community camps, community surveys.**
28. Student projects
Percentage of students who have taken up in-house projects including inter-departmental projects :

All U.G. students are involved in departmental projects and PG students are required to write a thesis.

The projects completed by PG students are:

- Situational analysis of Janani Suraksha Yojana after Implementation in Indore Block: Dr. Shireen Sharma
- Study of Nutrition & Health Status of preschool children in the urban slums of UHTC area on Index Medical College, Indore: Dr.Ahmed Shahjada
- Menstrual hygiene & practices in adolescent girls in urban field practice area of Index Medical College, Indore : Dr. Piyusha Mahashabde
- A cross sectional study to assess the level of mental well being among undergraduates of Medical College of Central India: Dr.Abhishek Bachhotiya
- Morbidity profile amongst urban and rural field practice areas of Medical College at Indore: Dr.M.D. Quasim Anwar Hasmi

The projects of Post graduates yet in process is: A study on Birth Preparedness & Complication Readiness in the Field Practice Area of

RHTC of a Tertiary Care Establishment in Central India by Dr. Indrayudh Banerjee

Percentage of students doing projects in collaboration with other universities / industry / institute : Nil

28. Awards / recognitions received at the national and international level by
- a) Faculty
 - b) Doctoral / post doctoral fellows

Students:

First Prize in Poster Presentation at ICPMN, Bengaluru 2014, Dr. Abhishek Bachhotiya (PG)

29. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Conferences/CME/Seminars attended/conducted by faculty members and PG students are as follows:

Sl. No.	Conferences / CME / Seminars	Date	Place
1.	Relevance of Diagnosis, Continued Dental Education	22 Aug 2015	Index Medical College, Indore
2.	IPHA- National Conference, 2016	04-06 March 2016	Dehradun, UK
3.	World Health Day 2016, Medical Quiz on “Beat the Diabetes”	07 April 2016	Index Medical College, Indore
4.	“Switch from tOPV to bOPV : A WHO & UNICEF Global Initiative”	18 April 2016	Index Medical College, Indore
5.	Seminar on “Heat Stress Indices”	28-June 2016	Index Medical College, Indore

30. Code of ethics for research followed by the departments: Code of ethics followed are according to guidelines of Central Drugs Standard Control Organization, the ICMR , Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under guidance of Scientific Evaluation committee (SEC) & Institutional Ethics Committee (IEC) of the institution.

31. Student profile program-wise : Subject is the part of MBBS course. 150 U.G. Students and one PG student are selected through a competitive examination held by state government/ NEET/DMAT. For the details in concern with the process and student profile please refer criteria 2.1

Post graduate students profile:

Name of the program	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MD 2011	As per state government / DMAT	2		100%	
MD 2012		1	1	0%	100%
MD 2013		2		Result awaited	
MD 2015		1		Yet to appear in exam.	
MD 2016		1			

33. Diversity of students:

Name of the program (refer to question no. 4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
MD 2011			1(50%)	1(50%)
MD 2012		1(50%)	1(50%)	
MD 2013	1(50%)		1(50%)	
MD 2015			1(50%)	
MD 2016	1(50%)			

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.:

Dr. Shireen Sharma, MD (2014) Joined Indian Air Force.

35. Student progression :

Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	-
from other universities within the State	2
from universities from other States	5
from universities outside the country	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

- a) Library: there is central library with a capacity of 460 and total books 15922 and journals 100. The titles related to subject are 469. Additionally there's a departmental library with a sitting capacity of 12 and number of books 279
- b) Internet facilities for staff and students: wi-fi facility is available at library premises. LAN is available in the department.
- c) Total number of class rooms: Department shares the common class rooms of the institution, which are 5 in number as per MCI norms.
- d) Class rooms with ICT facility and 'smart' class rooms: All the class rooms are with ICT facility. Additionally department is having two demonstration room with a capacity of 85 each.
- e) Students' laboratories: Available for UG as well as PG training. A museum is also available.
- f) Research laboratories: There's one research lab in the department and one central research lab for the research activities.

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university: Nil
- b) from other institutions/universities: Nil

40. Number of post graduate students getting financial assistance from the university: All Post graduates receive stipends as per the norms of state government.
41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology: MCI guidelines are followed to develop any new programme.
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback ? : frequent meeting of the departmental faculty is planned to provide and to analyze the feedback.
 - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ? The institution collects the student feedback and that is shared for the required improvement in teaching-learning evaluation.
 - c. Alumni and employers on the programs offered and how does the department utilize the feedback ? Alumni also provide the feedback for the departmental activities in the same manner as for the students.
43. List the distinguished alumni of the department (maximum 10):
Student Alumni:
Dr. Shireen Sharma, MD (2014) Joined Indian Air Force.
Dr. Piyusha Mahashabde, MD, 2015 joined AIIMS, New Delhi
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Guest Speaker Series with External Experts: 2015-16

S. No.	Date	Speaker	Topic
1.	24/2/15	Prof. Dr. Ganni Bhaskara Rao, Chairman of GSL Medi. Coll. In Rajamundry, (A.P.)	Role of simulation in Medical Education
2.	2/5/15	Prof. Dr. D.K. Taneja M.S. (Ex Dean MGM Medical College, Indore	Orientation for Post Graduate residents towards becoming a good doctor

S. No.	Date	Speaker	Topic
3.	3/6/15	Dr. Anil Singhavi M.D. (Consultant hemotologist)	Recent advances in sickle cell disease treatment
4.	11/6/15	Dr. Idris Khan M.D. D.M. (Consultant Cardiologist, Bombay Hospital, Indore)	Recent advance in Cardiology
5.	2/7/15	Dr. Niraj Jain M.D. D.M. (Consultant Gastro entreologist, CHL Hospital)	Hepatitis-B an update
6.	10/7/15	Dr. Sandeep saxena M.D. D.M. (Nephrologist, Apollo Hospital Indore)	Chronic kidney disease management an update
7.	8/8/15	Prof. Dr. P.C. Manoria Director Manoria Heart Care & Intervetion Center, Bhopal (M.P.)	ST Elevation Myocardial infarction
8.	21/8/15	Prof. Dr. Saurabh Malviya M.D. (HOD- Rheumatology, Medanta Hospital, Indore)	“Arthritis – Myths & Pearls”
9.	3/9/15	Dr. Prashant Bhartiya (corneal Transplant Surgery) M.D. (AIIMS) D.N.B., FRCS (U.K.)	“Current scenario in Corneal Surgery”
10.	1/12/15	Dr. Piyush Gupta, M.D. Ohio, USA	Inner Healing
11.	28/1/16	Dr. Bhagyesh Pore, Eye, Orbit, Oculoplasty & oncosurgeon; Shakuntla Netralaya, Indore	Orbit & Oculoplasty surgical overview
12.	11/2/16	Dr Prakash G. Chitalkar, Professor of Medical oncology, SAIMS, Indore	Hopeful Oncology- the emergence of young adult cancer medicine
13.	18/2/16	Dr. Shrikant Fatak, HOD, ENT, Choithram Hospital, Indore	Human voice & voice disorders
14.	9/8/16	B.K. Vika Bahen, Prajapita Bramhakumaries Ishwariya Vishwavidhyalaya	Spirituality and Health care

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
- Monthly evaluation of the progress through class test
 - Topic completion test
 - MCQs based evaluation
 - Seminars/journals club/ group discussion
 - Participation in local/state/national conferences/CMEs/workshop
 - Participation in community camps and surveys
 - Posting in rural & urban health care centre
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?
The analysis of the university result and feed back by the students and alumni is utilized for the monitoring of learning outcomes.
47. Highlight the participation of students and faculty in extension activities.
Students, staff and faculty are regularly participating in blood donation, plantation, swachhata abhiyan and community surveys and camps
Dr. Indrayudh Banerjee PG 1st Year along with Interns was In charge of Health Camp at Sinhastha, Mahankal Temple Premises at Ujjain for 2 months. (April - May, 2016) and attended 20,000 patients cumulatively.
48. Give details of “beyond syllabus scholarly activities” of the department.
The department plays a key role in Community based health care services
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: All the program of the department are recognized by MCI as per the standard norms
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Researches of the department are additive to the already existing knowledge of medical science.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Learned faculty members, all are involved in the projects related to Community. Teaching and training to students & interns is of highest degree. Project work is our main strength for academic orientation & excellence.

Weaknesses:

- Underutilized UHTC & RHTC. Where we are making all out efforts to achieve good OPD load.

Opportunities:

- Number of projects of public health importance have been started & Community will positive approach & thinking is our best opportunity along with well established Tertiary Care hospital.

Challenges:

- To train the students into best possible Doctors for society to improve Doctor – Population ratio & relationship.

52. **Future Plans:**

- To increase the capability of the Department in terms of equipments & books along with trained staff.

DEPARTMENT OF OTORHINOLARYNGOLOGY
(ENT)

EVALUATIVE REPORT OF THE DEPARTMENT

1. Name of the Department : ENT
2. Year of establishment : **2007**
3. Is the Department part of a college/Faculty of the university?: **Yes it is part of the college**
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : **UG(MBBS), PG (MD/MS)**
5. Interdisciplinary programs and departments involved: **MBBS, MD/MS**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
7. Details of programs discontinued, if any, with reasons: **Nil**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: **Annual based credit system as per directives of the apex body (MCI)**
9. Participation of the department in the courses offered by other departments: **Integration of the teaching with various subjects of medical science**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	02	01
Associate Professor/Reader	02	02
Assistant Professor	02	01
Senior Resident	02	02

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Hari Shankar Sharma	M.S.	Professor (HOD)	ENT	33
Dr. Naveen Agrawal	M.S.	Associate Professor	ENT	11
Dr. Sanjay Ku. Gupta	M.S.	Associate Professor	ENT	28
Dr. Chhavi Agarwal	M.S.	Assistant Professor	ENT	1
Dr. Manisha Yadav	D.L.O.	Senior resident	ENT	8
Dr. Rajkumar Goyal	D.L.O.	Senior resident	ENT	8

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: **Nil**
13. Percentage of classes taken by temporary faculty – program-wise information : **Nil**
14. Program-wise Student Teacher Ratio: MBBS- 150: 6, MS -2:3
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: **6**
16. Research thrust areas as recognized by major funding agencies : **Not applicable**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : **Nil**

18. Inter-institutional collaborative projects and associated grants received
- a) National collaboration
 - b) International collaboration: **Nil**
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : **Nil**
20. Research facility / centre with
- a) state recognition
 - b) national recognition
 - c) international recognition
- Facility of Brainstem evoked response Audiometry, Otoacoustic emission, Pure tone audiometry and Impedance audiometry are available for conducting research in the field of deafness.
 - Institutional Ethics Committee (IEC), registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical aspects concerned with research projects.
 - Scientific Evaluation committee to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
21. Special research laboratories sponsored by / created by industry or corporate bodies: **Not applicable**

22. Publications:

1.	Alveolar Rhabdomyosarcoma in children with Histomorphological review. SK Neema, Arjun Singh, Honey Bhaskar, Pawan Bhambani, HS Sharma, KumudJulka. International journal of REsearchg in Medical Sciences 2014 May: (2): 775-778
2.	Otitis Media: A Prospective Study in Central India. Teklal Patel, Hari Shankar Sharma. Int J Pharm Bio Sci 2014; 5(4): (P) 311-315
3.	Comparison between student scores in multiple choice questions and structured essay question at III MBBS Examination in Otorhinolaryngology in a Medical College in Mauritius. HS Sharma & MM Mutalik. Int J Pharm Bio Sci 2014; 5(4): (B) 1195-1202.

4.	Prevalence of Vertigo in different age groups & common butterfly patterns in elctronystagmography in central india: A retrospective study. Sanjay Gupta. IOSR Journal of Dental & Medical Sciences (IOSR-JMDS). e-Jssn: 2279-0853. Vol. 14 Issue 6 ver. III (June 2015), PP13-20.
5.	Elctronystagmography a very useful Diagnostic tool in cases of Vertigo. Sanjay Gupta. Accepted on May 07 for Indian journal of Otolaryngology head & neck surgery. 2015

23. Details of patents and income generated: **Nil**
24. Areas of consultancy and income generated : **Nil**
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: **Nil**
26. Faculty serving in
- a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) any other (specify)

S. No.	Name of faculty	Professional/ Academic bodies
1	Dr. H S Sharma	Association of otolaryngologist of India.
2	Dr. Naveen Agrawal	Association of otolaryngologist of India.
3	Dr. S K Gupta	Association of otolaryngologist of India.
4	Dr. C Agrawal	Association of otolaryngologist of India.

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). **By Medical education training programme, seminar, group discussions, Journals club, CME, Guest lectures, Academic meet, research methodology workshop, Pharmacovigilance workshop.**
28. Student projects
 Percentage of students who have taken up in-house projects including inter-departmental projects:
 All U.G. students are involved in departmental projects and PG students are required to write a thesis.

The projects undergoing by PG students are:

- 1) Dr.Mohit Samadhiya: A prospective comparative study between temporalis fascia graft and perichondrium graft uptake in patient undergoing type 1 tympanoplasty.
- 2) Dr.Mohit Sahu: Bacteriological study in patients of CSOM and comparison between Gentamicin ear drops and 2% acetic acid ear drops.
- 3) Dr. Pulkit Khandelwal, Post Graduate student of 1st year in Department of Pathology want to state that the thesis topic allotted to me is “Role of Styloid Process Dimensions in evaluation of Chronic Throat and Neck pain
- 4) Dr. Varsha Raghuwanshi: Correlation of pre-operative assessment of chronic suppurative otitis media with operative findings.

Percentage of students doing projects in collaboration with other universities / industry / institute : Nil

28. Awards / recognitions received at the national and international level by

- a) Faculty
- b) Doctoral / post doctoral fellows

Students: Every year a number of students are getting distinction in MBBS examination conducted by Devi Ahilya University, Indore.

Distinctions received in E.N.T. for last 4 years:

2015	2014	2013	2012
Roopal Khare Jyoti Sharma	Bharti Patidar Nehasingh Parihar Komal Puloriya Seema Sharma Shikha Sharma Yash Mehta Sandeep Gupta	Pallavi Singh Priyanka Coudhary	Urvi Gupta Sweety Bhola Avani Jain

29. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Nil

30. Code of ethics for research followed by the departments: **Code of ethics followed are according to guidelines of Central Drugs Standard Control Organization, the ICMR, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under guidance of Scientific Evaluation committee (SEC) & Institutional Ethics Committee (IEC) of the institution.**
31. Student profile program-wise : Subject is the part of MBBS course. 150 U.G. Students and two PG students are selected through a competitive examination held by state government/ NEET/DMAT. For the details in concern with the process and student profile please refer criteria 2.1

Post graduate students profile:

Name of the program	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MD 2014	As per state government / DMAT	1	1	First batch is yet to appear in exam.	
MD 2015		2			
MD 2016		1	1		

33. Diversity of students

Name of the program (refer to question no. 4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
MD 2014		2 (100%)		
MD 2015		2 (100%)		
MD 2016	1 (50%)	1 (50%)		

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.: **Nil in the mentioned categories. However admission in Medical college is based on clearance of competitive examination conducted by Central or state government or DMAT.**

35. Student progression :
Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	4 (67%)
from other universities within the State	2 (33%)
from universities from other States	
from universities outside the country	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: **Nil**

38. Present details of departmental infrastructural facilities with regard to
- a) Library : there is central library with a capacity of 460 and total books 15922 and journals 100. The titles related to subject are 479. Additionally there's a departmental library with a sitting capacity of 12
 - b) Internet facilities for Staff & Students : wi-fi facility is available at library premises
 - c) Total number of class rooms: Department shares the common class rooms of the institution, which are 5 in number as per MCI norms.
 - d) Class rooms with ICT facility and 'smart' class rooms: All the class rooms are with ICT facility.
 - e) Students' laboratories : Not applicable
 - f) Research laboratories: The department shares the Central Research lab for the research activities.

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university: **Nil**
- b) from other institutions/universities: **Nil**

40. Number of post graduate students getting financial assistance from the university: **All Post graduates receive stipends as per the norms of state government.**

41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology: **MCI guidelines are followed to develop any new program.**
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback ? : frequent meeting of the departmental faculty is planned to provide and to analyze the feedback.
 - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ? The institution collects the student feedback and that is shared for the required improvement in teaching-learning evaluation.
 - c. Alumni and employers on the programs offered and how does the department utilize the feedback ? Alumni also provide the feedback for the departmental activities in the same manner as for the students.
43. List the distinguished alumni of the department (maximum 10):
Department is too young to comment on alumni. First batch of postgraduates is yet to appear in the examination.
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

S. No.	Date	Speaker	Topic
1.	23/7/15	Dr. Brajendra Baser (M.S. E.N.T.)	“Current trends in E.N.T. practice”
2.	18/2/16	Dr. Shrikant Phatak (M.S.,E.N.T. Consultant and H.O.D. Dept. of E.N.T. Choithram hospital Indore)	“Human voice and voice disorders”

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
- a. Adoption of a blended learning with a proper mixup of traditional face to face classroom with modern online teaching.
 - b. To fill the gap between the two levels of competencies viz., traditional university examinations and modernized pre-PG examinations, a combined approach is adopted during teaching.

- c. Special extra classes as well as problem solving sessions are designed for the slow learners
- d. Regular group discussion, journals club, seminar and integrated teaching sessions
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? The analysis of the university result and feed back by the students and alumni is utilized for the monitoring of learning outcomes.
47. Highlight the participation of students and faculty in extension activities.
Students, staff and faculty are regularly participating in blood donation, plantation and swachhata abhiyan.
48. Give details of “beyond syllabus scholarly activities” of the department.
Students and faculty are regularly attending the community health camps.PGs are regularly involved in delivering seminars, cadaveric/temporal bone dissection, case discussions and journal club meetings.
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: **All the program of the department are recognized by MCI as per the standard norms**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: **Researches of the department are additive to the already existing knowledge of medical science.**
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Availability of operating microscope for Micro Ear surgery and Reconstructive surgeries.
- Audiological and Speech Therapy trained staff and facilities are available in the department for deaf & speech disorder cases.
- Use of projector to show live surgery

Weaknesses:

- Lacking with Microlaryngeal surgery, oesophagoscopy and Bronchoscopy for osophageal and tracheobronchial pathology cases

Opportunities:

- Cochlear implant surgery can be started as we have all staff and facilities.

Challenges:

- New setup for speech cases and hearing cases is under construction to meet the aim of starting cochlear implant surgeries. Establishment of Vestibular function laboratory.

52. Future plans of the department.

- Voice disorder setup-stroboscopy facilities are planned for voice disorder cases.
- Head and neck oncosurgery facilities have to be started.
- Establishment of proper Temporal bone dissection Laboratory for the benefit of post graduate students.
- Micro debrider facilities for FESS surgeries for nasal and paranasal sinus cases.

DEPARTMENT OF GENERAL MEDICINE

EVALUATIVE REPORT OF THE DEPARTMENT

1. Name of the Department : Medicine
2. Year of establishment : 2007
3. Is the Department part of a college/Faculty of the university?: Yes it is part of the college
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : UG(MBBS), PG (MD)
5. Interdisciplinary programs and departments involved: MBBS, MD, BDS, B.Sc. Nursing
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programs discontinued, if any, with reasons: Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Annual based credit system as per directives of the apex body (MCI)
9. Participation of the department in the courses offered by other departments: Integration of the teaching with various subjects of medical science
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	05	05
Associate Professor	07	03
Asst. Professors	09	06
Senior Residence	05	06

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. S. M. Holkar	MD	Professor	Medicine	17
Dr. Prashant Joshi	MD	Professor	Medicine	15
Dr. Deepak Sharma	MD	Professor	Medicine	15
Dr. Sudhir Mourya	MD	Professor	Medicine	12
Dr. Prasanna Yadav	MD	Professor	Medicine	12
Dr. Abhyudaya Verma	MD, DNB	Associate Professor	Medicine	13
Dr. Abha Pandit	MD	Associate Professor	Medicine	12
Dr. Manuj Kumar Sarkar	MD	Associate Professor	Medicine	7
Dr. Narayan Kumar	MD	Assistant Professor	Medicine	9
Dr. Bushra Khanam	MD	Assistant Professor	Medicine	8
Dr. Shikha Jain	MD	Assistant Professor	Medicine	8
Dr. Balraj Jharbarhe	MD	Assistant Professor	Medicine	8
Dr. Kamal Kumar Maiviya	MD	Assistant Professor	Medicine	6
Dr. Pankaj Kumar	MD	Assistant Professor	Medicine	5

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Vinod Kumar Sethi	MBBS	Senior resident	Medicine	10
Dr. Arun Chopra	MBBS	Senior resident	Medicine	9
Dr. Anand Bhagwat	MBBS	Senior resident	Medicine	8
Dr. Narendra Kumar	MBBS	Senior resident	Medicine	8
Dr. Rajesh Agichani	MBBS	Senior resident	Medicine	8
Dr. Shyam Bhidoriya	MBBS	Senior resident	Medicine	6

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:
Nil
13. Percentage of classes taken by temporary faculty – program-wise information : Nil
14. Program-wise Student Teacher Ratio: MBBS- 150/20, MD -7/8
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: 14
16. Research thrust areas as recognized by major funding agencies : Not applicable
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : Nil
18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration
 - b) International collaboration: Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil
20. Research facility / centre with
- a) state recognition
 - b) national recognition
 - c) international recognition

The department shares the following research facilities of the institute:

- Central research Lab recognized by M.C.I., state and central government
 - Scientific Evaluation committee to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
 - Institutional Ethics Committee (IEC), registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical aspects concerned with research projects.
21. Special research laboratories sponsored by / created by industry or corporate bodies: Not applicable
22. Publications:

S. No.	List & Title of Research Publication
1.	Evaluation of Morbidity & Morality Associated with Atrial Fibrillation. Prasanna Yadav, Pramod Sakhi, Rekha Gupta Sch. J. App. Med. Sci., 2015; 3(3F):1422-1425
2.	Evaluation of Glycaemic Control and Insulin Resistance on Addition of Sitagliptin to ongoing Metformin Monotherapy in Type2 Diabetes Mellitus Patients. Suknata Sen, Ramesh Tharwani, Prem Nyati, Prashant Joshi Journal of Advance Researches in Biological Sciences, 2012, Vol 4(1) 10-13
3.	Serum Lipids and Oxidative Stress in Hypothyroidism. Ramesh Tharwani, Eli Mohapatra, Doddigarla Zephy, Suchitra Kumari Journal of Advance Researches in Biological Sciences, 2013, Vol 5(1) 63-66

S. No.	List & Title of Research Publication
4.	Prevalence of Metabolic Syndrome in 8-18 year old school going children of Srinagar city of Kashmir-India: Andrabi SMS, Bhat MH, Andrabi SRS, Kamili MMA, Imran A, Nisar I & Nisar U. Indian J of Endocrinology & Metabolism: 2013, 17 (1): 95-100
5.	Non-Diabetic use of liraglutide. Abhyuday Verma Indian Journal of Endocrinology & Metabolism, Sep 2012
6.	Alendronate Therapy in Polyostotic fibrous dysplasia presenting with pathologic fracture Jayaraman M, Harikumar K, Verma A Am J Orthop (Belle Mead NJ), 2011 Mar; 40(3): E48-50
7.	Dexamethasone pulse therapy in patients of systemic sclerosis: is it a viable proposition? A study from kashmir Sameem, Farah/ Hassan, Iffat/ Ahmad, Qazi Masood/ Khan, Dilshad/ Majeed, Imran/ Kamili, M A/ Shah, Parvaiz A .Indian Journal of Dermatology 2010; 55(4):355-358
8.	Multidrug-Resistant and extensively Drug Resistant Tuberculosis in Kashmir, India Bikram Singh Datta, Ghulam Hassan, Syed Manzoor Kadri, Waseem Qureshi, M.A. Kamili, Hardeep Singh, Ahmad Manzoor, Mushtaq Ahmad Wani, Shamas u Din, Natasha Thakur: J infect Dev Ctries 2010; 4(1):019-023
9.	Precocious puberty and pineal cyst: an uncommon association. KVS Harikumar, Verma Abhyuday, KD Modi ,Indian J Pediat 2010 Feb; 47(2):193
10.	Central Hypothyroidism .Muthukrishnan J, Harikumar KV, Verma A, Modi K Indian J Pediatr. 2010 Jan;77(1):94-6
11	Sarkar M.K., Mishra Rishu, Pandya Parth., Chellani Ankit., Ghosh Nelson: Recurrent rheumatic activity in rheumatic heart disease, International journal of medical research and review. March2016/volume4/issue 3.
12	Sarkar M.K., Malviya., Barpha Amit., Lalchandani Shubhra Arati., Dey: Role of echocardiography in Acute Rheumatic fever compared with Jones criteria. International journal of Medical research and review. 2016;4(3):353-356.
13	Sarkar M.K., Dr. Mishra Rishu, Pandya Parth, Bansal Aastha, Singh Babeena, Mithun.S: Tinidazole induced fixed drug eruption. International journal of medical research and review, August 2015/Vol 3/issue 7.
14	Mourya Sudhir , pandya parth – To study Psychiatric Morbidities (Anxiety & Depression) in post Myocardial Infarction Patients.

S. No.	List & Title of Research Publication
15	Mourya Sudhir.. Joshi Prashant To study the effect of metformin alone and in combination with sulfonylureas on lipid profile in type 2 DM dyslipidaemic patients.Indian journal of pharmacology,december 2010,volume 42.
16	Pandit Abha Study of acute undifferentiated fever management at secondary level private hospital in Indore Central India. International Journal of current medical & pharmaceutical research, Vol2, Issue,5 pp.297-298,May 2016.
17	Pandit Abha, Panday Kumar Abhay, Glycaemic regulation and metabolic syndrome : A reference to thyroid function state; Scholars Journal of Applied Medical Sciences June 2016; 4(6A)
18	Pandit Abha comparative effectiveness of multi oral antidiabetic drugs Versus insulin therapy for glycemc control in type 2 diabetes mullitus; Asian Journal Pharm Clin Res, Vol9, Issue 5,2016,1-3.
19	Pandit Abha TREATMENT OUTCOMES OF TUBERCULOSIS AT TB/DOTS UNIT OF TERTIARY CARE CENTRE. Mintage Journal of pharmaceutical and medical Sciences/2015-2016.
20	Pandit Abha, Risk factor profile and clinical course of 66 cases of stroke at private specialty Hospital in central India; A Prospective observational study; Advances in life science and Medicine , 2015,1(2):01-07.
21	Pandit Abha Diabetic foot infection: A study and review; Advances in life science and medicine. 2015,2(1):01-06.
22	Pandit Abha Evidence base for secondary prevention-antihypertensive therapy in cerebrovascular disease. Apollo Medicine, 2015,12(2):100-102.
23	Pandit Abha, Tuberculosis A basic discourse; Apollo Medicine.2015.01.001.
24	Pandit Abha, Atherosclerosis:current perspectives; Apollo Medicine 2015.04.002.
25	Pandit Abha, Obesity context of type 2 diabetes and medication perspectives; Apollo Medicine, 2015.08.001.
26	Pandey A.K, Pandit Abha, Bahuguna D.P, Pandey B.L. Biological perspectives of “Trade off” between ageing and cancer; Journal of Advancement in medical and life sciences 2015,3 (1):1-5.

S. No.	List & Title of Research Publication
27	Pandit Abha, Pandey A.K. Health risks of obesity ; Chettinad Health City Medical Journal, 2015,4,(1):32-35.
28	Mourya Sudhir, Kumar,.Bajpai A.; A study of autonomic dysfunction in Bronchial asthma Patents in A tertiary care Center of Central India IJMRR March April 2014 Vol 2
29	Mourya Sudhir, Thakur Ashok, Study Of TMT changes in Tobacco Addicts. IJMRR 915/14
30	Kumar Ratan, Dr. Sudhir Mourya Study of Pulmonary Function Test in Tropical Pulmonary eosinophilia 5/5/14 IJMRR 2014 106.
31	Verma Abhyuday, Verma Deepika, Treatment of obesity : Newer Perspectives ; Journal Evol. Med. Den. Science. 2016;5(2)112-113.
32	Verma Abhyuday, Verma Deepika, Reducing Hospital Stay in Children with Diabetic Ketoacidosis , Journal Evol. Med. Den. Science. 2016;5(1)60.
33	Jayaraman M, Verma A, Harikumar KV, Ugale M, Modi K. Pregnancy outcomes with thyroxine replacement for subclinical hypothyroidism: Role of thyroid autoimmunity. Indian J Endocrinol Metab. 2013 Mar;17(2):294-7. doi: 10.4103/2230-8210.109717.
34	Muthukrishnan J, Harikumar KV, Verma A, Modi K. Central hypothyroidism Indian J Pediatr. 2010 Jan;77(1):94-6. doi: 10.1007/s12098-009-0248-1.
35	Verma A, Jayaraman M, Kumar HK, Modi KD.Saudi Med J. Hypothyroidism and obesity. Cause or effect? 2008 Aug;29(8):1135-8.
36	Kumar KV, Jayaraman M, Verma A, Modi KD.Indian Pediatr. Letrozole as a booster therapy in growth hormone deficiency. 2009 Jul;46(7):625-7.
37	Hari Kumar KV, Muthukrishnan J, Verma A, Modi KD. Correlation between bone markers and bone mineral density in postmenopausal women with osteoporosis. Endocr Pract. 2008 Dec;14(9):1102-7.PMID:19158049
38	Hari Kumar KV, Verma A; Shekhar, Modi KD.Saudi J Kidney Dis Transpl. Controversial role of omega-3 fatty acids in dyslipidemia. 2008 Mar;19(2):254-5; author reply 255. No abstract available.

S. No.	List & Title of Research Publication
39	Kumar HK, Verma A, Muthukrishnan J, Modi KD. Obesity and hypothyroidism: symbiotic coexistence . Arch Intern Med. 2008 Oct 27;168(19):2168; author reply 2168. doi: 10.1001/archinte.168.19.2168-a. No abstract available.
40	Hari Kumar KV, Verma A. JAMA. Bone mineral density and high-trauma fractures 2008 Apr 2;299(13):1542-3; author reply 1543. doi: 10.1001/jama.299.13.1542-b. No abstract available.

23. Details of patents and income generated: nil
24. Areas of consultancy and income generated : Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil
26. Faculty serving in
- a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) any other (specify)

S. No.	Name of faculty	Professional/ Academic bodies
1.	Dr. S.M. Holkar	Association of physician of India. Member of research society for study of diabetes in India Critical care Medicine Indian medical association
2.	Dr, Sudhir Morya	Indian medical association

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). By Medical education training program, seminar, group discussions, Journals club, CME, Guest lectures, Academic meet and research methodology workshop.

28. Student projects

Percentage of students who have taken up in-house projects including inter-departmental projects : All U.G. students are involved in departmental projects and PG students are required to write a thesis.

The projects of PG students (under process) :

Name of PG student	Title of Thesis	Guide
Dr. Rishu Mishra	Prevalence of different headache subtypes in a tertiary care centre in Indore, in rural population.	Dr. Prashant Joshi
Dr. Parth Pandya	Skin Manifestation in patient with type 2 diabetes mellitus at tertiary health care center	Dr. Rampal
Dr. Aastha Bansal	Evaluation of clinical profile of patients with long standing hypertension with special reference to cardiac status.	Dr. Sudhir Mourya
Dr. Babeena Singh	Correlation of mean platelet volume in acute ischaemic stroke patients.	Dr. S.M Holkar
Dr. Ajay Singh	TMT to detect the prevalence of stress induced ischaemic heart diseases in type 2 diabetes mellitus patients, asymptomatic for CAD with normal resting ECG.	Dr. Sudhir Mourya
Dr. Mithun S.	Electrocardiographic & Echocardiographic Correlation in diagnosis of Left Ventricular Hypertrophy	Dr. S. M. Holkar
Dr. Shivank Shrivastav	Demographic profile study & treatment practice pattern in patient with systemic hypertension attending in tertiary care hospital.	Dr. Deepak Sharma
Dr. Ankit Chellani	Survey of prescription of patients of hypertension under treatment at IMCHRC & evaluation of patients' knowledge about hypertension under treatment at IMCHRC.	Dr. Sudhir Mourya
Dr. Nisha Kalkal	Lipid Profile in smokers and tobacco chewers and correlation with Coronary Artery Disease	Dr. Sudhir Mourya
Dr. Radheshyam Malviya	Non alcoholic Fatty Liver disease in type 2 diabetes mellitus and its correlation with systemic hypertension, dyslipidemia and anthropometric index.	Dr. Rampal

Name of PG student	Title of Thesis	Guide
Dr. Nelson Ghosh	Study of serum magnesium levels in diabetic or non diabetic patients with acute stroke.	Dr. Prashant Joshi
Dr. Praveen Kavuri	An overview of GB syndrome with relation to its clinical features & prognostic outcome.	Dr. Deepak Sharma
Dr. Ravija Prasad	The study of cardiac involvement in thyroid disorder patients of rural area of malwa region.	Dr. Prassana yadav
Dr. Avinash Balraj	A study on autonomic dysfunction in bronchial asthma patients in a tertiary health centre.	Dr. S.M. Holkar

28. Awards / recognitions received at the national and international level by

Faculty:

- Dr.S.M. Holkar has received Dr. S K Mukheerjee Chikitisa seva award.
- Dr. S.M. Holkar-ACC LEAD- Physicians Update Course Certificate awarded by American College of Cardiology Foundation.
- Dr. Manuj K. Sarkar – first position in ECG/HD TRACE QUIZ competition at 13th annual conference of cardiological society of India North East Chapter.
- Dr. Pankaj kumar-University gold medal 2015 in post graduate diploma in geriatric medicine Indira gandhi national open university.

Doctoral / post doctoral fellows: Nil

Students: Jyoti Sharma got distinction in University examination of 2016 and Eshu Dixit in that of 2012

29. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**Nil**

30. Code of ethics for research followed by the departments: Code of ethics followed are according to guidelines of Central Drugs Standard Control Organization, the ICMR , Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under

guidance of Scientific Evaluation committee (SEC) & Institutional Ethics Committee (IEC) of the institution.

31. Student profile program-wise : Subject is the part of MBBS course. 150 U.G. Students and one PG student are selected through a competitive examination held by state government/ NEET/DMAT. For the details in concern with the process and student profile please refer criteria 2.1

Post-graduate students profile:

Name of the program	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MD 2014	As per state government / DMAT	5	2	First batch is yet to appear in exam	
MD 2015		5	2		
MD 2016		6	1		

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities Within the State	% of students From universities outside the State	% of students from other countries
MD 2014	1(14%)	3(43%)	3(43%)	
MD 2015	3(43%)	1(14%)	3(43%)	
MD 2016		3(43%)	4 (57%)	

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.: Nil in the mentioned categories. However admission in Medical college is based on clearance of competitive examination conducted by Central or state government or DMAT.

Student progression :

Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.

35. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	10 (50%)
from other universities within the State	4(20%)
from universities from other States	6(30%)
from universities outside the country	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

- a) Library: there is central library with a capacity of 460 and total books 15922 and journals 100-. The titles related to subject are 1219.
- b) Internet facilities for staff and students: wi-fi facility is available at library premises. LAN & internet is available in the department.
- c) Total number of class rooms: Department shares the common class rooms of the institution, which are 5 in number as per MCI norms.
- d) Class rooms with ICT facility and 'smart' class rooms: All the class rooms are with ICT facility.
- e) Students' laboratories: Not applicable
- f) Research laboratories: Central research lab of the institute is available for the research activities.

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university: Nil
- b) from other institutions/universities: Nil

40. Number of post graduate students getting financial assistance from the university: All Post graduates receive stipends as per the norms of state government.

41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology: MCI guidelines are followed to develop any new program.
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback ? : frequent meeting of the departmental faculty is planned to provide and to analyze the feedback.
 - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ? The institution collects the student feedback and that is shared for the required improvement in teaching-learning evaluation.
 - c. Alumni and employers on the programs offered and how does the department utilize the feedback ? Alumni also provide the feedback for the departmental activities in the same manner as for the students.
43. List the distinguished alumni of the department (maximum 10):
First batch of post graduates is yet to appear in examination.
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Date	Speaker	Topic
24/2/15	Prof. Dr. Ganni Bhaskara Rao (President of all India Private Medical College Association & Chairman of GSL Medical Coll. In Rajamundry, (A.P.)	Role of simulation in Medical Education
23/4/15	Dr. P. Jamjute M.S. MRCOG (Consultants Urogynacologist. NHSU U. K.)	Update in urogynaecology
2/5/15	Prof. Dr. D.K. Taneja M.S. (formerly Dean & Prof. Emeritus Orthopedics MGM Medical College, Indore	Orientation for Post Graduate residents towards becoming a good doctor
11/5/15	Prof. Dr. B.R. Parekh MCh (formerly Prof. & Head Dept. of Paediatric Surgery MGM Medical College, Indore	Spectrum of Pediatric surgical disorders

Date	Speaker	Topic
3/6/15	Dr. Anil Singhavi M.D. (Consultant Haematologist)	Recent advances in sickle cell disease treatment
11/6/15	Dr. Idris Khan M.D. D.M. (Consultant Cardiologist, Bombay Hospital, Indore)	Recent advance in Cardiology
18/6/15	Dr. Rajneesh Kachara M.S. M.Ch, Director institute of neuro sciences madanta super specialty Hospital Indore	Success stories of surgical treatment of brain tumors
2/7/15	Dr. Niraj Jain M.D. D.M. (Consultant Gastro entereologist, CHL Hospital)	Hepatitis-B an update
10/7/15	Dr. Sandeep saxena M.D. D.M. (Nephrologist, Apollo Hospital Indore)	Chronic kidney disease management an update
23/7/15	Prof.Dr. Brajendra Baser M.S., AIIMS (E.N.T. Consultant)	Current trends in ENT practice
8/8/15	Prof. Dr. P.C. Manoria Director Manoria Heart Care & Intervention Center, Bhopal (M.P.)	ST Elevation Myocardial infarction
21/8/15	Prof. Dr. Saurabh Malviya M.D. (HOD-Dept. of Rheumatology, Medanta Hospital, Indore)	“Arthritis – Myths & Pearls”
3/9/15	Dr. Prashant Bhartiya (corneal Transplant Surgery) M.D. (AIIMS) D.N.B., FRCS (U.K.)	“Current scenario in Corneal Surgery”
28/1/16	Dr. Bhagyesh Pore, Eye, Orbit, Oculoplasty & oncosurgeon; Shakuntla Netralaya, Indore	Orbit & Oculoplasty surgical overview
11/2/16	Dr Prakash G. Chitalkar, Professor of Medical oncology, SAIMS, Indore	Hopeful Oncology- the emergence of young adult cancer medicine
18/2/16	Dr. Shrikant Fatak, HOD, ENT, Choithram Hospital, Indore	Human voice & voice disorders

Date	Speaker	Topic
06/6/16	1. Case presented by Dr. Avinash Balraj (P.G.R. Ist year) Discussed by Dr. Bushra Khanam (Assistant Professor, Medicine) 2. Case presented by Dr. Rohini Chouhan (P.G.R.IIInd year, Skin& V.D.) Discussed by Dr. Brig. Sanjeev Vaishampayan (Professor & Head, Skin& V.D.)	1. Disseminated Intravascular Coagulation. 2. A case of Photosensitive disorder in teenager.
26/7/16	Dr. Abhyudaya Verma Asso. Prof. Medicine Index Medical College Indore)	Unusual presentation of Thyroid Disorders

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
- a. To fill the gap between the two levels of competencies viz., traditional university examinations and modernized pre-PG examinations, a combined approach is adopted during teaching with inclusion of MCQs .
 - b. Special extra classes as well as problem solving sessions are designed for the slow learners
 - c. Seminars/journals club/ group discussion
 - d. Participation in local/state/national conferences/CMEs/workshop
 - e. Integrated teaching with other departments and guest speakers.
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? The analysis of the university result and feed back by the students and alumni is utilized for the monitoring of learning outcomes.
47. Highlight the participation of students and faculty in extension activities.
 Students, staff and faculty are regularly participating in blood donation, plantation and swachhata abhiyan.

48. Give details of “beyond syllabus scholarly activities” of the department.
Department is actively participating in community health camps and health awareness program.
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: All the program of the department are recognized by MCI as per the standard norms
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Researches of the department are additive to the already existing knowledge of medical science.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Qualified & experienced Staff
- Super specialist in Cardiology, Neurology and endocrinology available

Weaknesses:

- Needs super- specialty in neurology and nephrologists, and rheumatologist and gastroenterologist.
- Non- Availability of ECHO machine in ICU.

Opportunities:

- Clinical research can be carried out in large scale as in hospital in rural area.

Challenges:

- Further reduction in the cost of special investigations so that every one in the community can afford it.

52. Future Plans:

- Upgrading of super-specialties
- Geriatric medicine development
- Telemedicine

DEPARTMENT OF GENERAL SURGERY

EVALUATIVE REPORT OF THE DEPARTMENT

1. Name of the Department : **General Surgery**
2. Year of establishment : **2007**
3. Is the Department part of a college/Faculty of the university? : **Yes.**
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : **MBBS, MS**
5. Interdisciplinary programs and departments involved : **MBBS, MS, BDS, B.Sc. Nursing**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
7. Details of programs discontinued, if any, with reasons : **Nil**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System : **Annual based credit system, as per directive of the apex body (MCI)**
9. Participation of the department in the courses offered by other departments : **Integration of teaching with various subjects of medical science**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	4	4
Associate Professor/Reader	7	7
Assistant Professor	10	9
Senior Residence		

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of Experience
Dr. Ajay Joshi	M.S. , FAIS	Professor	Surgery	20
Dr. Manish Patel	M.S., M.Ch., DNB, FICS	Professor	Pediatric Surgery	17
Dr. Kuldeep Virani	M.S.	Professor	Surgery	22
Dr. Ashish Agrawal	M.S.	Professor	Surgery	15
Dr. Amit Katlana	M.S.	Associate Professor	Surgery	12
Dr. Atul Kumar Vyas	M.S., FAIS	Associate Professor	Surgery	11
Dr. Mayur Maheshwari	M.S., M.Ch., DNB	Associate Professor	Pediatric Surgery	13
Dr. Irfan Qureshi	M.S.	Associate Professor	Surgery	13
Dr. Sunil Kumar Gehlot	M.S.	Associate Professor	Surgery	10
Dr. Anil Kumar Baxi	M.S., FRCS	Associate Professor	Surgery	10
Dr. Apoorva Shrivastava	M.S., DNB	Associate Professor	Surgery	9
Dr. Rahul Tanwani	M.S., M.Ch.	Assistant Professor	Pediatric Surgery	11
Dr. Sanjay Kumar Patidar	M.S.	Assistant Professor	Surgery	9
Dr. Narayan Khare	M.S.	Assistant Professor	Surgery	7

Name	Qualification	Designation	Specialization	No. of years of Experience
Dr. Prakash Chhajlani	M.S. , M.Ch.	Assistant Professor	Plastic Surgery	11
Dr. Vasant Dakwale	M.S., M.Ch.	Assistant Professor	Neuro-Surgery	6
Dr.Dileep Kothari	M.S.	Assistant Professor	Surgery	8
Dr. Anoop Sharma	M.S.	Assistant Professor	Surgery	3
Dr. Pranav Mandovara	M.S.	Assistant Professor	Surgery	3
Dr. Santosh Dubey	M.S.	Assistant Professor	Surgery	3
Dr.Kiran Barde	MBBS	Senior residence	Surgery	10
Dr.Devendra Trivedi	MBBS	Senior residence	Surgery	8

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : **Nil**
13. Percentage of classes taken by temporary faculty – program-wise information : **Nil**
14. Program-wise Student Teacher Ratio : **MBBS – 150/22, MS – 7/11**
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual : **12**
16. Research thrust areas as recognized by major funding agencies : **Not applicable**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : **Nil**

18. Inter-institutional collaborative projects and associated grants received
- a) National collaboration: **Nil**
 - b) International collaboration : **Nil**
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : **Nil**
20. Research facility / centre with
- a) state recognition
 - b) national recognition
 - c) international recognition
- **Scientific Evaluation committee** to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
 - **Institutional Ethics Committee (IEC)**, registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical aspects concerned with research projects.
 - **Central Animal House** as per CPCSEA guidelines and IAEC (Institutional Animal Ethics Committee).
 - Two modular Operation theatres for super-specialty cases of endo-urology, neuro-surgery, onco-surgery, plastic surgery, pediatric surgery and vascular surgery.
 - Advanced laparoscopic surgery in process.
21. Special research laboratories sponsored by / created by industry or corporate bodies : **Not applicable**

22. Publications:

* Number of papers published in peer reviewed journals (national / international)

S. No.	List & Title of Research Publication
1	The post- and retro-auricular scalping flap (the PARAS flap). Dias AD, Chhajlani P ,Br J Plast Surg, 1987 Jul;40(4):360-6.
2	Successful detachment of cross-leg fasciocutaneous flaps on the tenth day: a report of 10 cases. Thatte RL, Yelikar AD, Chhajlani P, Thatte MR Br J Plast Surg, 1986 Oct;39(4):491-7.
3	Spheno-orbital encephalocele : Case report. Chhajlani P, Kumar A. European Journal of Plastic Surgery September 1995, Volume 18, Issue 5, pp 258-259
4	Basal cell carcinoma due to prolonged exposure to heat. Chhajlani P, Agrawal A, Sethia B.K. Plastic Surgery 1992 Vol. 2., International Congress Series, No. 936. Plastic Surgery: Amsterdam, Netherlands; New York, New York, Usa. Illus. 377-378
5	Ischiocavernous myo cutaneous flap for urethro vaginal fistula. Chhajlani P, Lahoti R, Zaveri N , Plastic Surgery 1992 Vol. 2., International Congress Series, No. 936. Plastic Surgery: Amsterdam, Netherlands; New York, New York, Usa. Illus. 885-886
6	Topical anaesthetic for reducing the skin graft donor site pain. Chhajlani P, Agrawal D, Siddique K, Mishra S. Plastic Surgery 1992 Vol. 2.,International Congress Series, No. 936. Plastic Surgery: Amsterdam, Netherlands; New York, New York, Usa. Illus. 89-90
7	Successful detachment of cross-leg fasciocutaneous flaps on the tenth day: a report of 10 cases, Thatte RL, Yelekar AD, Chhajlani P, Thatte MR British Journal of Plastic Surgery, Vol. 39, Issue 4, October 1986, Pages 491-497
8	Orbital dermoid cyst with intracranial extension. Shrivastava U, Dakwale V, Jain A, Singhal M, Indian J Ophthalmo, 2004 Sep;52(3):244-6.
9	Embryonal rhabdomyosarcoma with intracranial extension. Phatak S, Dakwale V, Phatak S, Indian J Otolaryngol Head Neck Surg. 1999 Jul;51(3):42-4. doi: 10.1007/BF02996528
10	Study of congenital pouch colon anomaly in Ahmedabad region. Tanwani R, Maheshwari M. Int J Dev Res 2015; 5(5): 4455-4460.

- Monographs
- Chapters in Books
 - 1) **Post-auricular Retro-auricular Scalping (PARAS) flap**
By : Dr. Prakash Chhajlani
In : Encyclopedia of flaps (Editor : Grabb)
 - 2) **Two chapters on ‘Cleft lip and cleft palate’ and ‘Maxillofacial trauma’**
By : Dr. Prakash Chhajlani
In : Textbook of Oral Medicine, Oral Diagnosis and Oral Radiology
edited by Ravikiran Ongole, Praveen B N
- Books edited
- Books with ISBN with details of publishers
 - 1) **The Skills of History Taking (1st edition) :**
By Dr. Rahul Tanwani (Asst. Professor)
Year – 2014
Publishers – Avichal Publishing Company, New Delhi
ISBN-10 : 8177394185
ISBN-13 : 9788177394184
 - 2) **The Skills of History Taking (2nd edition) :**
By Dr. Rahul Tanwani (Asst. Professor)
Year – 2016
Publishers – Jaypee Brothers Medical Publishers, New Delhi
ISBN-10: 9385999443
ISBN-13: 978-9385999444
- 23. Details of patents and income generated : **Nil**
- 24. Areas of consultancy and income generated : **Nil**
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : **Nil**

26. Faculty serving in

- a) National committees
- b) International committees
- c) Editorial Boards
- d) Any other (specify)

S. No.	Name of faculty	Professional/ Academic bodies
1	Dr. Ajay Joshi (Professor)	Life member of Indian Medical Association (IMA), Association of Surgeons of India (ASI), Indian Association of Gastrointestinal Endo Surgeons (IAGES), Association of Minimal Access Surgeons of India (AMASI), FAIS
2	Dr. Kuldeep Virani (Professor)	Life member of Indian Medical Association (IMA), Association of Surgeons of India (ASI), Association of Minimal Access Surgeons of India (AMASI)
3	Dr. Manish Patel (Professor)	Life member of Indian Medical Association (IMA), Association of Surgeons of India (ASI), National Neonatology Forum (NNF), FICS
4	Dr. Ashish Agrawal (Professor)	Life member of Association of Surgeons of India (ASI), Association of Minimal Access Surgeons of India (AMASI), Fellowship of Indian Association of Gastrointestinal Endo Surgeons (FIAGES).
5	Dr. Atul Vyas (Asso. Professor)	Life member of Indian Medical Association (IMA), Association of Surgeons of India (ASI), Association of Colorectal Surgeons of India (ACRSI), FAIS
6	Dr. Amit Katlana (Asso. Professor)	Life member of Indian Medical Association (IMA)
7.	Dr. Sanjay Patidar (Asso. Professor)	Life member of Indian Medical Association (IMA)
8	Dr. Mayur Maheshwari (Asso. Professor)	Life member of Indian Association of Pediatric Surgeons (IAPS)
9.	Dr. Santosh Dubey (Asst. Professor)	Life member of Indian Medical Association (IMA), Association of Surgeons of India (ASI)

S. No.	Name of faculty	Professional/ Academic bodies
10	Dr. Rahul Tanwani (Asst. Professor)	Life member of Indian Medical Association (IMA), Association of Surgeons of India (ASI) and Indian Association of Pediatric Surgeons (IAPS)
11	Dr. Anil Baxi (Asst. Professor)	Life member of Indian Medical Association (IMA), Association of Surgeons of India (ASI), Association of Minimal Access Surgeons (AMASI), Vascular Society of India (VSI), Venous Association of India (VAI), FRCS
12	Dr. Irfan Qureshi (Asst. Professor)	Life member of Association of Surgeons of India (ASI),

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). : **Medical education training programme, Seminars, Group discussions, Research methodology workshop, Lectures by MEU, Guest lectures etc.**

28. **Student projects:**

a) Percentage of students who have taken up in-house projects including inter-departmental projects : **100%. All U.G. students are involved in departmental projects and PG students are required to write a thesis.**

S. No.	Project	PG student	Remarks
	2015		
1.	Bacteriological Study and Structural Composition of Renal Stones Removed by the Anatomic Nephrolithotomic Procedure	Dr. Etta Praneeth	On going
2.	Elective Ilio-Inguinal Neurectomy for Prevention of Chronic Pain After Inguinal Hernia Meshplasty	Dr. Abhinav Singh	On going
3.	A Study of Association of H.Pylori Infection and Peptic Ulcer Perforation	Dr. Rahul Atode	On going
4.	The Clinical Study of Chronic	Dr. Naveen Kumar	On going

S. No.	Project	PG student	Remarks
	Lower Limb Ischemia and Its Correlation With Colour Doppler Scan		
5.	Retrospective and Prospective Evaluation of Varicose Vein Including Colour Doppler Study and Their Complication	Dr. Saurabh Singh	On going
6.	Comparative Study of Chronic Pain in Patient Post Conventional Open Technique Vs Chronic Pain in Patient Post Minimally Invasive Laproscopic Approach of Inguinal Hernia Repair	Dr. Abhishek Verma	On going
7.	Prospective study to evaluate post operative complications and factors affecting outcome in abdominal surgery.	Dr. Iqbal Khan	On going
2014			
1.	Efficacy of superoxidised solution v/s Povidine iodine in the management lower limb ulcer	Dr. Rahul Jain	On going
2.	Evaluation of Alvarado Scoring System in Preoperative Diagnosis of acute appendicitis	Dr. Prateek Porwal	On going
3.	Various Comorbid Conditions and Their Effect on Outcome in General Geriatric Surgery Patients	Dr. Sani Pasrija	On going
4.	Outcome of Selective Lymph Node Dissection v/s Radical Lymph Node Dissection in Case of Oral Cavity Malignancies	Dr. Sankalp Shrivastatva	On going
5.	Comparative Study of Surgical Management of Low Anal Fistula-in-ano Between Fistulotomy and Fistulectomy and its Outcome	Dr. Abhinav Rathi	On going
6.	Evaluation of various surgical technique of Urethroplasty in cases of hypospadias	Dr. Jitendra Gothwal	On going

28. Awards / recognitions received at the national and international level by

- Faculty
Dr. Ajay Joshi : FAIS
Dr. Atul Vyas : FAIS
Dr. Manish Patel : FICS
Dr. Anil Baxi : FRCS
- Doctoral / post doctoral fellows
- Students

Every year a number of students are getting distinction in MBBS examination conducted by Devi Ahilya University, Indore.

Distinctions received in last 4 years:

2012	2013	2014	2016
Madhusudan Rajawat Harmeet Singh Chaoudhary Harshita Bhardwaj Eshu Dixit Priyamvada Saraf Priyanka Kolhe Ridhi Narang	Shilpi Singh Sudarshan Gupta Isha Sharma	Murtaza Johar Ritu Bansal	Jyoti Sharma

29. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any :

- **‘SurgiQuiz-2016’** : An open quiz of General Surgery was organized for interns of college on 19th May 2016.
- Demonstration of harmonic scalpel and vessel sealers by Ethicon co. in Feb 2016.
- Workshop on surgical suturing by Ethicon co. in April 2016.
- Hand-on training with demonstration on various stapler techniques by Covidion co. on 2nd July 2016.

30. Code of ethics for research followed by the departments :
Code of ethics are followed according to guidelines of Central Drugs Standard Control Organization, the ICMR , Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under guidance of Scientific Evaluation committee (SEC) & Institutional Ethics Committee (IEC) of the institution.

31. Student profile program-wise:
 Subject of General surgery is the part of MBBS course. 150 U.G. Students and 7 PG students are selected through a competitive examination held by state government/ NEET/DMAT.

For the details in concern with the process and student profile please refer criteria 2.1

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MS-2014	As per state govt./ DMAT	7	0	First batch is yet to appear in examination	
MS-2015		7	0		
MS-2016		7	0		

33. Diversity of students:
 For MBBS and MS courses, students are selected from all over the country through a competitive examination held by state government/ NEET/DMAT.

Name of the program (refer to question no. 4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
MS-2014	3 (42%)	2 (28%)	2 (28%)	0
MS-2015	2 (28%)	1(14%)	4 (56%)	0
MS-2016	3 (43%)	3(43%)	1(14%)	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

: Nil

35. Student progression:

Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.

35. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	8 (36%)
from other universities within the State	5 (23%)
from universities from other States	9 (41%)
from universities outside the country	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period : **Nil**

38. Present details of departmental infrastructural facilities with regard to

- **Library :**

There is a central library with a capacity of 460. Total books : 15922, Journals : 100. The titles related to subject are 736. Additionally there's a departmental library with a sitting capacity of 12 and number of books 220.

- **Internet facilities for staff and students:**

Wi-fi facility is available in library premises. Internet facility is available in OPD and the departmental office.

- Total number of class rooms: Department shares the common class rooms of the institution (Total: 5), as per MCI norms.

- **Class rooms with ICT facility and 'smart' class rooms:**

All class rooms are with ICT facility. Additionally, department has got Nine Demonstration rooms with capacity of 25 students in each. LCD projector is available in one demonstration room. Other rooms are having chalk and board facility for teaching.

- Students' laboratories : **Yes**

Communication skills lab: A well equipped set-up for training of basic communication skills for undergraduate students.

Surgical museum: Includes photographs of various common surgical problems, mannequins and POP models for teaching of undergraduate and post graduate students.

- Research laboratories :
Department shares Central research lab and laboratories of basic medical science for research purpose.

39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university : **Nil**
b) from other institutions/universities : **Nil**
40. Number of post graduate students getting financial assistance from the university. : **PG students are getting stipend from the institute.**
41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology : **MCI guidelines are followed for the development of new programme.**
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback ? :
Through regular meetings of head and faculties of the department on assessment of academic progress and evaluation of teaching learning methods.
- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ?
The institution collects feedback from the students which is utilized for the improvement of teaching-learning methods of various departments.
- c. Alumni and employers on the programs offered and how does the department utilize the feedback ? : **Like the students, alumni also provide feedback for teaching-learning methods of the department.**

43. List the distinguished alumni of the department (maximum 10)
First batch of postgraduates of the department is yet to appear in the examination.
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

S. No.	Date	Speaker	Topic
1	24/2/15	Prof. Dr. Ganni Bhaskara Rao , President of All India Private Medical Colleges Association and Chairman of GSL Medical College in Rajahmundry, Andhra Pradesh	Role of simulation in Medical Education
2	23/4/15	Dr. P. Jamjute, M.S.,MRCOG (Consultants Urogynacologist. NHSU, U. K.)	Update in urogynaecology
3	2/5/15	Prof. Dr. D.K. Taneja, M.S., Formerly Dean MGM Medical College, Indore	Orientation for Post Graduate residents towards becoming a good doctor
4	11/5/15	Prof. Dr. B.R. Parekh, M.S.,M.Ch., Prof. & Head Dept. of Paediatric Surgery, MGM Medical College, Indore	Spectrum of Pediatric surgical disorders
5	18/6/15	Dr. Rajneesh Kachhara, M.S., M.Ch., Director institute of Neuro sciences, Medanta super specialty Hospital, Indore	Success stories of surgical treatment of brain tumors
6	2/7/15	Dr. Niraj Jain, M.D.,D.M. (Consultant Gastro-entrelologist, CHL Hospital, Indore)	Hepatitis-B an update
7	23/7/15	Prof. Dr. Brajendra Baser, M.S., AIIMS (E.N.T. Consultant)	Current trends in ENT practice
8	3/9/15	Dr. Prashant Bhartiya, M.D. (AIIMS) D.N.B., FRCS (U.K.), Corneal transplant surgeon	“Current scenario in Corneal Surgery”
9	1/12/15	Dr. Piyush Gupta, Ohio, USA	Inner Healing
10	28/1/16	Dr. Bhagyesh Pore, Eye, Orbit, Oculoplasty & Oncosurgeon, Shakuntla Netralaya, Indore	Orbit & Oculoplasty surgical overview

S. No.	Date	Speaker	Topic
11	11/2/16	Dr. Prakash G. Chitalkar, Professor of Medical oncology, SAIMS, Indore	Hopeful Oncology- the emergence of young adult cancer medicine
12	8/2/16	Dr. Shrikant Fatak, HOD, ENT, Choithram Hospital, Indore	Human voice & voice disorders
13	9/8/16	B.K. Vika Bahen, Prajapita Brahamkumaris Vishyavidyalaya Ishwariya	Spirituality and health care

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
- a) Multiple choice question (MCQ) based tests are periodically conducted by the department for undergraduate students, which help them in preparation of Pre-PG examinations, along with the traditional university examinations.
 - b) Ward leaving tests (WLT) of undergraduate students, at the end of their clinical posting.
 - c) Seminars, case presentations, journal clubs, group discussions etc. for post-graduate students. Besides, post graduate students are motivated to attend various state and nations level conferences, CMEs, workshops etc.
 - d) Computer aided teaching is used to teach the students about various topics of surgery and methods of clinical examination, in form of demonstration of various photographs, animations, videos etc.
 - e) On-line teaching of students through social media (mainly Facebook, WhatsApp and YouTube), in addition to routine theory and clinical classes.
 - f) Clinical teaching of students on various types of dummies and mannequins in 'Surgical Museum'.
 - g) Teaching of students about proper communication with various types of patients in a well equipped 'Communication Skills Lab'.
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?
- Tests and sessional exams of students
 - Ward leaving tests after clinical posting
 - Regular meetings of head and faculties of the department

47. Highlight the participation of students and faculty in extension activities.
Students, staff and faculty are regularly participating in various activities like blood donation, plantation and Swachhha Bharat Abhiyaan etc.
48. Give details of “beyond syllabus scholarly activities” of the department.
• **Additional training on ‘communication skills’ to undergraduate and postgraduate medical students.**
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.
All the programmes of the department are recognized by the MCI as per the standard norms.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
Researches of the department are additive to the already existing knowledge of medical science.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

1. Students are with better academic performance as they are selected through a competitive examination.
2. Expert and experienced faculty in the department, including faculties of super-specialties like Urosurgery, Neurosurgery, Pediatric surgery and Plastic surgery.
3. Surgical museum
4. Communication skills lab
5. Scientific evaluation committee, IAEC (Institutional Animal Ethics Committee) and a registered Institutional Ethics Committee (IEC) are available for the research projects.

Weaknesses:

1. Rigid course structure and examination pattern by the apex body
2. College is at a long distance from the urban facilities
3. Improvement needed in field of research work

Opportunities:

1. Increasing use of online resources to supplement traditional teaching methods.
2. Motivation of the faculties and post-graduate students to work in various types of researches related to the subject.

Challenges:

1. Effectively teaching to a heterogeneous group of students and getting them ready to face the future competitive examinations
2. Enhancing the competency level of the students to face day to day health problems of the community.

52. Future plans of the department:

- To strengthen Research infrastructure to promote research activities
- Development of online forum to strengthen the capability of students to face MCQs based competitive examinations for the selection in post-graduation as well as super-specialization course
- Establishment of Cardiothoracic surgical unit
- Expansion of 'Surgical museum' to include more varieties of innovative teaching models.
- Expansion of 'Communication skills lab'.
- Simulator for hand-on training of laparoscopic surgery

DEPARTMENT OF MICROBIOLOGY

EVALUATIVE REPORT OF THE DEPARTMENT

1. Name of the Department : Microbiology
2. Year of establishment : 2007
3. Is the Department part of a college/Faculty of the university?: Yes it is part of the college
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : UG(MBBS), PG (MD)
5. Interdisciplinary programs and departments involved: MBBS, MD, BDS, B.Sc. Nursing
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programs discontinued, if any, with reasons: Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Annual based credit system as per directives of the apex body (MCI)
9. Participation of the department in the courses offered by other departments: Integration of the teaching with various subjects of medical science
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	01	02
Associate Professor/Reader	01	
Assistant Professor	02	03

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. S.P. Kogekar	M.D.	Professor (HOD)	Microbiology	21
Dr. Babli Basu	M.D.	Professor	Microbiology	36
Mr. Nilesh Chavan	M.Sc. (Medical)	Assistant Professor	Microbiology	10
Dr. Prashant Peshattiwar	M.D.	Assistant Professor	Microbiology	5
Dr.Sachin Mishra	M.D.	Assistant Professor	Microbiology	4

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil
13. Percentage of classes taken by temporary faculty – program-wise information : Nil
14. Program-wise Student Teacher Ratio: MBBS- 30:1, MD -2:2
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: 14
16. Research thrust areas as recognized by major funding agencies : Not applicable
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : Nil
18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration
 - b) International collaboration: Nil
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil
20. Research facility / centre with

- a) state recognition
 - b) national recognition
 - c) international recognition
- Well equipped Departmental Research lab with Real Time PCR facilities and Central Research Lab. recognized by M.C.I.
 - Central animal house as per CPCSEA guidelines and IAEC (Institutional Animal Ethics Committee).
 - Scientific Evaluation committee to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
 - Institutional Ethics Committee (IEC), registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical aspects concerned with research projects.
21. Special research laboratories sponsored by / created by industry or corporate bodies: Not applicable
22. Publications:
1. Shrikant Kogekar, Prashant Peshattiwar, Khyati Jain, Madhurendra Rajput, Priyanka Kumari Shahi: Study of Baseline WidalTitre amongst healthy individuals in and around Indore, India. International Journal of Current Microbiology and Applied Sciences,2015 Vol.4, Number 7, Page 775-778
 2. Shrikant Kogekar, Nilesh Chavan, Khyati Jain, Prashant Peshattiwar, Madhurendra Rajput, Priyanka Kumari Shahi: C-Reactive Protein: A Marker in Deciding Duration of Antibiotic Therapy in Neonatal Septicemia. International Journal of Current Microbiology and Applied Sciences,2015 Vol.4, Number 7, Page 872- 874.
 3. Shrikant Kogekar, Khyati Jain, Priyanka Kumari, Nilesh Chavan, Prashant Peshattiwar, Madhurendra Rajput: High level of MRSA colonization in health care worker: alarm to implement health care policy. World Journal of clinical Pharmacology, Microbiology and Toxicology, 2015, Vol.1, Page 21-25.

4. Madhurendra Singh Rajput, Nilesh Shyam Chavan, Sadhavi Parashar, S.M Jain: Bacteriological Profile of Urinary Tract Infection in Female Patient Attending Tertiary care hospital. 2014. *International Journal of Current Microbiology and Applied Sciences*, 2015 Vol.4, Number 7, Page-847-852.
5. Sachin Mishra, Shrikant Kogekar, Nileshchavan: Determining Inducible Clindamycin resistance in *Staphylococcus aureus* from various clinical samples by D-zone test by special reference with MRSA. *Journal of Medical Science and Clinical Research* 2015, Vol.3 Issue 7, Page- 6450-6452.
6. Prashant Peshattiwar: ESBL and MBL mediated resistance in *Pseudomonas Aeruginosa*: An emerging threat to clinical therapeutic. *Journal of clinical and Diagnostic Research*. 2011 December, Vol5(8):1552-1554.
7. Nilesh Cavan: The Magnitude of vulovaginal candidiasis in woman in rural hospital. *Journal of Research in Medical Education and Ethics*. 2013 Vol 3, No3.
8. Nilesh Cahvan. Evaluation of Immunochromaography test and Qualitative buffy coat against peripheral blood smear examination in diagnosis of Malaria. 2013. *International Journal of Biomedical and Advance Research* Vol 4 No11
9. Nilesh Chavan : Prevalnce and molecular characterisation of human rotavirus stain in children suffering from acute gastroenteritis . *International journal of current research in Medical Science* . Vol 2, Feb 2016: 52-56
10. Bhatta S, Basu B, Chaudhury CN, Praharaj AK. In vitro antimicrobial activity of tigecycline. *MJSBH(Medical Journal of Shri Birendra Hospital, Nepal)*, 2014, Vol 13, Issue 2: 35-38.

23. Details of patents and income generated: nil
24. Areas of consultancy and income generated : Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil
26. Faculty serving in
 - a) National committees

- b) International committees
- c) Editorial Boards
- d) Any other (specify)

Nilesh Chavan: Member Indian association of Medical Microbiologist, Vidharbh association of Microbiologist

Editor in Journal of medical science & clinical Research: **Nilesh Chavan**

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). **By Medical education training programme, seminar, group discussions, Journals club, CME, Guest lectures, Academic meet, research methodology workshop.**
28. Student projects
Percentage of students who have taken up in-house projects including inter-departmental projects :

All U.G. students are involved in departmental projects and PG students are required to write a thesis.

The projects completed by PG students are:

- Bacteriology of Urinary Tract Infection in female attending Tertiary Care Hospital along with typing of E Coli: Dr. Madhurendra Singh Rajput
- Aerobic Bacteria in Post-Surgical wound infection and pattern of their Antibiotic Susceptibility in a Tertiary Care Hospital with Special Reference to MRSA: Dr. Khyati Jain
- Study of Microbiological agents and their sensitivity pattern to first and second line of Antibiotics in patients with UTI: Dr. Abhishek Kumar
- Bacteriological profile of Phoderma: Dr. Vijay Tiwari

The projects of PG under process:

Bacteriological profile of diabetic foot infection & in vitro activity of antimicrobial agents: Dr. Nirali Garg

2016	2015	2013	2012
Vrajesh Fulbaria	Salman Kachba Karishma Makwane	Ankur deshwali Seema sharma	Palak Jain Pallavi Singh Saloni Pahwa

	Rutuja Shirbhate Namrata Sanjani Neetu Kori Yogesh Kansara		Sandeep Joshi Sovran Rai
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Percentage of students doing projects in collaboration with other universities / industry / institute: Nil

28. Awards / recognitions received at the national and international level by

Faculty: Poster on Rotavirus is accepted in 12th International Symposium on Rotavirus, which is to be held in Australia.- Nilesh Chavan

Doctoral / post doctoral fellows : Nil

Students: Every year a number of students are getting distinction in MBBS examination conducted by Devi Ahilya University, Indore. Distinctions received in last few years:

29. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

NIL

30. Code of ethics for research followed by the departments: Code of ethics followed are according to guidelines of Central Drugs Standard Control Organization, the ICMR , Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under guidance of Scientific Evaluation committee (SEC) & Institutional Ethics Committee (IEC) of the institution.

31. Student profile program-wise : Subject is the part of MBBS course. 150 U.G. Students and one PG student are selected through a competitive examination held by state government/ NEET/DMAT. For the details in concern with the process and student profile please refer criteria 2.1

Post graduate students profile:

Name of the program	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female

MD 2011	As per state government / DMAT	1	1	100	100
MD 2012		1	1	100	100
MD 2013		2		Result awaited	
MD 2014		1		Yet to appear in exam	
MD 2015			1		

33. Diversity of students

Name of the program (refer to question no. 4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
MD 2011		1 (50%)	1 (50%)	
MD 2012		1 (50%)	1 (50%)	
MD 2013	2 (100%)			
MD 2014				1 (100%)
MD 2015	1(100%)			

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.: Nil in the mentioned categories. However admission in Medical college is based on clearance of competitive examination conducted by Central or state government or DMAT.

35. **Student progression :**

Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.

36. **Diversity of staff**

Percentage of faculty who are graduates	
of the same university	01 (20%)
from other universities within the State	

from universities from other States	04(80%)
from universities outside the country	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil
38. Present details of departmental infrastructural facilities with regard to
- a) Library: there is central library with a capacity of 460 and total books 15922 and journals 100. **The titles related to subject are 536.** Additionally there's a departmental library with a sitting capacity of 20 and number of books 251
 - b) Internet facilities for staff and students: wi-fi facility is available at library premises. LAN & internet is available in the department.
 - c) Total number of class rooms: Department shares the common class rooms of the institution, which are 5 in number as per MCI norms.
 - d) Class rooms with ICT facility and 'smart' class rooms: All the class rooms are with ICT facility. Additionally department is having two demonstration room with a capacity of 85 each.
 - e) Students' laboratories:
 - f) Research laboratories: for Bacteriology (including Anaerobic Section), Serology, Immunology, Virology, Mycology, Tuberculosis lab and Media room.
 - g) List of doctoral, post-doctoral students and Research Associates
 - a) from the host institution/university: Nil
 - b) from other institutions/universities: Nil
40. Number of post graduate students getting financial assistance from the university: All Post graduates receive stipends as per the norms of state government.
41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology: MCI guidelines are followed to develop any new programme.

42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback ? : Frequent meeting of the departmental faculty is planned to provide and to analyze the feedback.
 - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ? The institution collects the student feedback and that is shared for the required improvement in teaching-learning evaluation.
 - c. Alumni and employers on the programs offered and how does the department utilize the feedback ? Alumni also provide the feedback for the departmental activities in the same manner as for the students.
43. List the distinguished alumni of the department (maximum 10):
 Dr. Madhurendra Rajput, ex-postgraduate is assistant professor in our own department.
 Dr. Sachin Kumar Mishra.
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Date	Speaker	Topic
24/2/15	Prof. Dr. Ganni Bhaskara Rao (President of all India Private Medical College Association & Chairman of GSL Medical Coll. In Rajamundry, (A.P.)	Role of simulation in Medical Education
23/4/15	Dr. P. Jamjute M.S. MRCOG (Consultants Urogynacologist. NHSU U. K.)	Update in urogynaecology
2/5/15	Prof. Dr. D.K. Taneja M.S. (formerly Dean & Prof. Emeritus Orthopedics MGM Medical College, Indore	Orientation for Post Graduate residents towards becoming a good doctor
11/5/15	Prof. Dr. B.R. Parekh MCh (formerly Prof. & Head Dept. of Paediatric Surgery MGM Medical College, Indore	Spectrum of Pediatric surgical disorders
3/6/15	Dr. Anil Singhavi M.D. (Consultant Haematologist)	Recent advances in sickle cell disease treatment

Date	Speaker	Topic
11/6/15	Dr. Idris Khan M.D. D.M. (Consultant Cardiologist, Bombay Hospital, Indore)	Recent advance in Cardiology
18/6/15	Dr. Rajneesh Kachara M.S. M.Ch, Director institute of neuro sciences madanta super specialty Hospital Indore	Success stories of surgical treatment of brain tumors
2/7/15	Dr. Niraj Jain M.D. D.M. (Consultant Gastro entrelologist, CHL Hospital)	Hepatitis-B an update
10/7/15	Dr. Sandeep saxena M.D. D.M. (Nephrologist, Apollo Hospital Indore)	Chronic kidney disease management an update
23/7/15	Prof.Dr. Brajendra Baser M.S., AIIMS (E.N.T. Consultant)	Current trends in ENT practice
8/8/15	Prof. Dr. P.C. Manoria Director Manoria Heart Care & Intervention Center, Bhopal (M.P.)	ST Elevation Myocardial infarction
21/8/15	Prof. Dr. Saurabh Malviya M.D. (HOD-Dept. of Rheumatology, Medanta Hospital, Indore)	“Arthritis – Myths & Pearls”
3/9/15	Dr. Prashant Bhartiya (corneal Transplant Surgery) M.D. (AIIMS) D.N.B., FRCS (U.K.)	“Current scenario in Corneal Surgery”
28/1/16	Dr. Bhagyesh Pore, Eye, Orbit, Oculoplasty & oncosurgeon; Shakuntla Netralaya, Indore	Orbit & Oculoplasty surgical overview
11/2/16	Dr. Prakash G. Chitalkar, Professor of Medical oncology, SAIMS, Indore	Hopeful Oncology- the emergence of young adult cancer medicine
18/2/16	Dr. Shrikant Fatak, HOD, ENT, Choithram Hospital, Indore	Human voice & voice disorders

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

- Audiovisual aid and tutorial classes
- Monthly evaluation of the progress through class test
- Topic completion test
- MCQs based evaluation
- Seminars/journals club/ group discussion
- Participation in local/state/national conferences, CMEs.

- Special extra classes as well as problem solving sessions are designed for the slow learners
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? The analysis of the university result and feed back by the students and alumni is utilized for the monitoring of learning outcomes.
47. Highlight the participation of students and faculty in extension activities.

Students, staff and faculty are regularly participating in blood donation, plantation and swachhata abhiyan.

48. Give details of “beyond syllabus scholarly activities” of the department.
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: All the program of the department are recognized by MCI as per the standard norms
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Researches of the department are additive to the already existing knowledge of medical science.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Senior and experienced as well as young and dynamic teachers.
- Well equipped laboratories for Bacteriology(including anaerobic section), Tuberculosis lab ,Serology, Immunology, Parasitology, Virology, Mycology, and Media room.
- Participation in the national health programs like NACO and RNTCP

Weaknesses:

- Less exposure to hands on workshops.
- Lack of funding from external sources.

Opportunities:

- To expand knowledge area by exposure to CME / Workshop and conferences.

Challenges:

- To start automated techniques in Microbiology lab and to expand the existing molecular biology unit in our department laboratory.

52. Future Plans:

- 1) To start certificate course in infectious diseases.
- 2) Gear up with advanced techniques for diagnosis.
- 3) Enhancing research by offering PhD Programs.
- 4) Upgrading automated diagnostic technology in the department.

**DEPARTMENT OF OBSTETRICS &
GYNAECOLOGY**

REPORT OF THE DEPARTMENT OBSTETRICS & GYNECOLOGY

1. Name of the Department : Obstetrics & Gynecology
2. Year of establishment : 2007
3. Is the Department part of a college/Faculty of the university?: Yes it is part of the college
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : UG(MBBS), PG (MD)
5. Interdisciplinary programs and departments involved: MBBS, MD, B.Sc. Nursing
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programs discontinued, if any, with reasons: Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Annual based credit system as per directives of the apex body (MCI)
9. Participation of the department in the courses offered by other departments: Integration of the teaching with various subjects of medical science
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	05	04
Associate Professor/Reader	04	01
Assistant Professor	06	05
Senior Resident	05	04

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr.Meena Bhargav	M.S.	Professor (HOD)	Obs/Gyn	38
Dr.M.R.Kural	M.S.	Professor	Obs/Gyn	18
Dr. Vinita Bansal Agrwal	M.S.	Professor	Obs/Gyn	14
Dr. Gajendra S.Tomar	M.S.	Professor	Obs/Gyn	14
Dr.SunitaChouhan	M.S.	Associate Professor	Obs/Gyn	14
Dr.Tulika Joshi	D.N.B	Assistant Professor	Obs/Gyn	9
Dr. Neha Gupta	D.N.B	Assistant Professor	Obs/Gyn	4
Dr. Anshu Singh	D.N.B.	Assist. Professor	Obs/Gyn	6
Dr.Deepti Gupta Nagaria	M.S.	Assistant Professor	Obs/Gyn	6
Dr. Pooja Gupta Jain	D.N.B	Assistant Professor	Obs/Gyn	5
Dr.Karuna Jain	D.G.O.	Senior resident	Obs//Gyn	9
Dr.Meenaxi Jharwade	D.G.O.	Senior resident	Obs//Gyn	8
Dr.Anjali G.Patil	D.G.O.	Senior resident	Obs//Gyn	8
Dr.Nazia Noor Nagori	D.G.O.	Senior resident	Obs//Gyn	5

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:
Nil
13. Percentage of classes taken by temporary faculty – program-wise information : Nil
14. Program-wise Student Teacher Ratio: MBBS-150: 15, MD -4:5
15. Number of academic support staff (technical) and administrative staff:

sanctioned, filled and actual: 08

16. Research thrust areas as recognized by major funding agencies : Not applicable
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : Nil
18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration
 - b) International collaboration: Nil
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil
20. Research facility / centre with
 - a) state recognition
 - b) national recognition
 - c) international recognition

Department share the following common facilities of the institution:

- Well equipped central research Lab recognized by M.C.I., state and central government
- Scientific Evaluation committee to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
- Institutional Ethics Committee (IEC), registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical aspects concerned with research projects.

21. Special research laboratories sponsored by / created by industry or corporate bodies: Not applicable
22. Publications:

Dr. MeenaBhargava, Dr. P.K. Shukla, Dr. Padma Shukla.

Rupture of term non communicating rudimentary horn of uterus –

case Report; Asian journal of obs&gyn practice, vol. 6 ; 2012
Dr. Tulika Joshi & Dr. Vikrant Ranjan. Retrospective study of 121 case of carcinoma tongue in central India Journal of clinical cancer investigation; 2012
Dr. Preeti Jain, Dr. M.R. Kural, Dr. Tulika Joshi. Maternal and fetal outcome in case of severe anemia with pregnancy in rural setup. International journal of Medical & applied Sciences, Vol 2 issue 3: 2013.
Dr. Preeti Jain, Dr. M.R. Kural, Dr. Tulika Joshi, Relation for early pregnancy BMI with maternal and fetal outcome- A Prospective Study. International Journal of Science & Nature Volume 4: 2013.
Dr. Tulika Joshi, Antenatal Fetal Surveillance in IUGR & It's Outcome ; Journal of Evaluation of Medical & dental Science;Vol.2,Issue16:2013
Dr. PoojaDeodhar in 2013. Comparative Study of MisoprostvsDinoprostone Set-up Accepted by Indian Medical Gazette (PUMBED INDEXED)
Dr. NeenaYogesh,& Dr. M.R. Kural Fetal Outcome in Premature Rupture of Membrane at term: Comparison of early induction v/s expectant management in rural setup. International Journal of Medical & applied Science (Earth Journal) Vol. 2 Issue 4 2013.
Dr. Padma Shukla Dr. MeenaBhargava Dr. Disha Study of maternal and fetal outcome in preterm premature rupture of membrane; Journal of evolution of medical and dental sciences/ Volume 3/Issue 07/ Feb. 17.2014.
Dr.BhargavaMeena, Dr.Shukla Padma, Dr.DiwediSudhakar Intraoperative autologus blood transfusion of peritoneal blood during laparotomy for ectopic pregnancy prospective study. The journal of obstetrics and gynecology of India(2014).
Dr. Padma Shukla, Dr. MeenaBhargava, Dr. Pushendra Shlukla Dr. SonalAgrawal. A prospective study on role of hysteroscopy VS. transvaginalsonography ;Journal of Evolution of medical and dental sciences Volume 3,Issue 27 July

2014.
Dr. Deepti Gupta, & Dr. M.R. Kural, Clinico – Sono Correlation in First Trimester of Pregnancy by Transvaginal Approach. Journal of Medical Science and Clinical Research.
Deepti Gupta, Preeti Jain, Dr. RadhikaPrashar, Dr. M.R. Kural: A Study of Placenta and its blood vessel in high pregnancies by color Doppler USG and its correlation with maternal an neonatal outcome.
Dr. M.R. Kural, Dr. Tulika Joshi, Dr. Naziya Noor: Prevalence of primary dysmenorohea in college going female. Accepted in journal of family welfare & Primary care. July – Sep. 2015.
Dr. M.R. Kural, Dr. Tulika Joshi, Dr. Naziya Noor.Primary dysmenorohea and its effect in quality of life – international journal of medical science & public health vol. 4 June 3 2015.
Dr. G.S. Tomar, Dr. Tulika Joshi:Relationship of antioxidant system and ROS with clinical seminal parameter, Journal of Family Medicine & Preventive Care.
Dr. M.R. Kural, Dr. Tulika Joshi, Dr. Amita Case report on lethal multiple ptryzium syndrome. Journal of Family Medicine & Preventive Care.
Dr. Pooja Jain, Past partum convulsion- Eclampsia case report (PRESS), Indian Journal of Obs& Gyn.
Dr. Pooja Jain: Parasitic dermoid cyst - case report, International journal of Obs& Gyn.

23. Details of patents and income generated: nil
24. Areas of consultancy and income generated : Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil
26. Faculty serving in
 - a) National committees b) International committees c) Editorial Boards d) any other (specify)

Dr. Meena Bhargava

- Federation of Obs. & Gyn. societies of India, Branch Indore.
- National post menopausal societies ,branch Indore.
- Member of Obs. & Gyn. Society of U.P.
- Co-editor of Order Disorder Magazine.

Dr. Vinita Bansal Agrawal

- Federation of Obs. & Gyn. society of India.
- National post menopausal society.

Dr. G.S. Tomar

- Federation of Obs. & Gyn. society of India.
- Member of Obs. & gyn. Society of Indore
- Member of ISAR,IFS
- MRCOG

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). **By Medical education training programme, seminar, group discussions, Journals club, CME, Guest lectures, Academic meet, research methodology workshop, Pharmacovigilance workshop.**
28. Student projects
Percentage of students who have taken up in-house projects including inter-departmental projects :
All U.G. students are involved in departmental projects and PG students are required to write a thesis.

The projects of PG students are:

Name of PG students	Title of thesis
Dr. Hitesh Parmar	Clinico-epidemiological study of cases of PROM in a tertiary health care centre from jan 15 to june 16 at Dept of OBGY IMCHRC
Dr. SmritiSinghal	Evaluation of maternal and foetal outcome in obstetric emergencies in referred cases at tertiary health centre in rural area of indore (jan 15- jan 16) at Dept of OBGY IMCHRC
Dr. AmitaTripathi	Transvaginalsonography assessment of cervical length and its predictive value in preterm labour (jan 15 – jan 16) at Dept of OBGY , IMCHRC
Dr. Priyankapandey	Comparative study of Labetalol vs Alpha methyl dopa during new onset of hypertension during pregnancy (jan15-jan16) at Dept of OBGY , IMCHRC
Dr. Shweta Gupta	Maternal and perinatal outcome in postdatism upto 40 week of pregnancy (jan16 – jan17) at Dept of OBGY , IMCHRC

Dr.Rakhi Sharma	Perinatal outcomes of meconium stained liquor in term and post term pregnancy (jan 16 – jan17) at Dept of OBGY , IMCHRC
Dr. AlkaShukla	To study amniotic fluid volume in IUGR and their perinatal outcomes (jan16 – jan17) at Dept of OBGY , IMCHRC
Dr. Arnab K Nandi	Induction of labour with transcervical prostaglandin gel with p/v misoprostol along with inj. Pitocin (jan16 – jan 17) at Dept of OBGY , IMCHRC

Percentage of students doing projects in collaboration with other universities / industry / institute : Nil

28. Awards / recognitions received at the national and international level by

- a) Faculty:
- b) Doctoral / post doctoral fellows

Students: Dr Hitesh Parmar received 2nd prize in Poster presentation Title “ USG and histopath correlation in adenomyosis and leiomyoma “ in 21st National Conference ISSAR, Indore 2016

29. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. Nil

30. Code of ethics for research followed by the departments: Code of ethics followed are according to guidelines of Central Drugs Standard Control Organization, the ICMR , Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under guidance of Scientific Evaluation committee (SEC)& Institutional Ethics Committee (IEC) of the institution.

31. Student profile program-wise : Subject is the part of MBBS course. 150 U.G. Students and one PG student are selected through a competitive examination held by state government/ NEET/DMAT. For the details in concern with the process and student profile please refer criteria 2.1

Post graduate students profile:

Name of	Applications	Selected	Pass percentage
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the program	received	Male	Female	Male	Female
MD 2014	As per state government / DMAT	1	3	First batch is yet to appear in the exam.	
MD 2015		1	3		
MD 2016		0	4		

33. Diversity of students:

Name of the program (refer to question no. 4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
MD 2014		2 (50%)	2 (50%)	
MD 2015		1 (25%)	3 (75%)	
MD 2016	1 (25%)			3 (75%)

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.: Nil in the mentioned categories. However admission in Medical college is based on clearance of competitive examination conducted by Central or state government or DMAT.

35. Student progression :
Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	01 (7%)
from other universities within the State	05 (33%)
from universities from other States	09 (60%)
from universities outside the country	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil
38. Present details of departmental infrastructural facilities with regard to
- a) Library: there is central library with a capacity of 460 and total books 15922 and journals 100-. The titles related to subject are 551.
 - b) Internet facilities for staff and students: wi-fi facility is available at library premises. Internet is available in the department.
 - c) Total number of class rooms: Department shares the common class rooms of the institution, which are 5 in number as per MCI norms.
 - d) Class rooms with ICT facility and 'smart' class rooms: All the class rooms are with ICT facility.
 - e) Students' laboratories: department shares the central research lab of the institute.
 - f) Research laboratories: There's a central research lab in the institute for the research activities.
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university: Nil
 - b) from other institutions/universities: Nil
40. Number of post graduate students getting financial assistance from the university: All Post graduates receive stipends as per the norms of state government.
41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology: MCI guidelines are followed to develop any new programme.
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?: frequent meeting of the departmental faculty is planned to provide and to analyze the feedback.

- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ? The institution collects the student feedback and that is shared for the required improvement in teaching-learning evaluation.
- c. Alumni and employers on the programs offered and how does the department utilize the feedback ? Alumni also provide the feedback for the departmental activities in the same manner as for the students.
43. List the distinguished alumni of the department (maximum 10):
First batch of the department is not passed out.
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

S. No.	Date	Speaker	Topic
1.	24/2/15	Prof. Dr. Ganni Bhaskara Rao, Chairman of GSL Medi. Coll. In Rajamundry, (A.P.)	Role of simulation in Medical Education
2.	2/5/15	Prof. Dr. D.K. Taneja M.S. (Ex Dean MGM Medical College, Indore	Orientation for Post Graduate residents towards becoming a good doctor
3.	3/6/15	Dr. Anil Singhavi M.D. (Consultant hemotologist)	Recent advances in sickle cell disease treatment
4.	11/6/15	Dr. Idris Khan M.D. D.M. (Consultant Cardiologist, Bombay Hospital, Indore	Recent advance in Cardiology
5.	2/7/15	Dr. Niraj Jain M.D. D.M. (Consultant Gastro entrelogist, CHL Hospital)	Hepatitis-B an update
6.	10/7/15	Dr. Sandeep Saxena M.D. D.M. (Nephrologist, Apollo Hospital Indore)	Chronic kidney disease management an update
7.	8/8/15	Prof. Dr. P.C. Manoria Director Manoria Heart Care & Intervention Center, Bhopal (M.P.)	ST Elevation Myocardial infarction
8.	21/8/15	Prof. Dr. Saurabh Malviya M.D. (HOD- Rheumatology,	“Arthritis – Myths & Pearls”

S. No.	Date	Speaker	Topic
		Medanta Hospital, Indore)	
9.	3/9/15	Dr. Prashant Bhartiya (corneal Transplant Surgery) M.D. (AIIMS) D.N.B., FRCS (U.K.)	“Current scenario in Corneal Surgery”
10.	28/1/16	Dr. Bhagyesh Pore, Eye, Orbit, Oculoplasty & oncosurgeon; Shakuntla Netralaya, Indore	Orbit & Oculoplasty surgical overview
11.	11/2/16	DrPrakash G. Chitalkar, Professor of Medical oncology, SAIMS, Indore	Hopeful Oncology- the emergence of young adult cancer medicine
12.	18/2/16	Dr. Shrikant Phatak, HOD, ENT, Choithram Hospital, Indore	Human voice & voice disorders
13.	9/8/16	B.K. Vika Bahen, Prajapita Bramhakumaries Ishwariya Vishwavidhyalaya	Spirituality and Health care

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
- Audio visual aids
 - Monthly evaluation of the progress through test
 - Seminars/journals club/ group discussion
 - Participation in local/state/national conferences/CMEs/workshop
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? The analysis of the university result and feed back by the students and alumni is utilized for the monitoring of learning outcomes.
47. Highlight the participation of students and faculty in extension activities.
Students, staff and faculty are regularly participating in blood donation, plantation and swachhata abhiyan.
48. Give details of “beyond syllabus scholarly activities” of the department.
The department runs the specialized services to enhance the awareness

to antenatal care and family planning methods and provide services for cancer screening, post menopausal and adolescent clinics

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: All the program of the department are recognized by MCI as per the standard norms
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Researches of the department are additive to the already existing knowledge of medical science.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Experienced faculty members along with united team work and holistic approach to patients
- Sufficient infrastructure with good management support, strengthen us for better management.
- Round the clock rounds and 24 hr availability of residents. Availability of physical activity in hostel.
- Super- Specialty clinics like cancer screening, post menopausal and adolescent clinics are of immense help to the community.

Weaknesses:

- Underdeveloped nearby rural areas with low understanding of disease and prevention in population due to illiteracy.
- Low awareness about antenatal care and family planning methods, STI.
- Malpractices going on in nearby rural areas, hence patients are not timely referred for management.
- Regular references by nearby PHC are poor.

Opportunities:

- Being the only tertiary health centre available among widespread rural areas gives us the opportunity to develop health care facilities for same.
- Also due to availability of all specialties, holistic approach and team work is possible which helps in best of treatment.
- Good learning opportunities for residents, interns and undergraduates.

Challenges:

- Due to low socioeconomic status of patients and poor knowledge, giving quality management and treatment becomes a challenge.
- Coordination with public health care department needs revision to help attain MDG goal 5 at brick level and reduce maternal morbidity and mortality.
- Re-orientation of paramedical staff towards national goals (RCH).

52. Future Plans:

1. Plans for advancement of minimal invasive surgery
2. Plans for starting TESA/MESA
3. Stress on endometrium ablation therapy for DUB
4. More expend on conservative procedure in case of CIN

DEPARTMENT OF OPHTHALMOLOGY

EVALUATIVE REPORT OF THE DEPARTMENT

1. Name of the Department : **Ophthalmology**
2. Year of establishment : **2007**
3. Is the Department part of a college/Faculty of the university?: **Yes it is part of the college**
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : **UG(MBBS), PG (MD/MS)**
5. Interdisciplinary programs and departments involved: **MBBS, MD/MS**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
7. Details of programs discontinued, if any, with reasons: **Nil**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: **Annual based credit system as per directives of the apex body (MCI)**
9. Participation of the department in the courses offered by other departments: **Integration of the teaching with various subjects of medical science**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filed
Professor	02	02
Associate Professor/Reader	01	01
Assistant Professor	03	02
Senior Resident	02	01

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Pushpa Verma	M.S.	Professor	Ophthalmology	40
Dr Pradip Gandhi	M.S.	Professor	Ophthalmology	27
Dr. Vandana Telgote	M.S.	Associate Professor	Ophthalmology	12
Dr Supriya Mushriff	DNB	Assistant Professor	Ophthalmology	7
DrChandni Karole	M.S.	Assistant Professor	Ophthalmology	4
Dr.Shivani Mourya	DOMS	Senior resident	Ophthalmology	9

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:
Nil
13. Percentage of classes taken by temporary faculty – program-wise information : **Nil**
14. Program-wise Student Teacher Ratio: **MBBS- 150/6 , MS -2/3**
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: **6**
16. Research thrust areas as recognized by major funding agencies : **Not applicable**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : **Nil**
18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration
 - b) International collaboration: **Nil**

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : **Nil**

20. Research facility / centre with

- a) state recognition
- b) national recognition
- c) international recognition

Department shares the common facilities of the institute for example

- Central research Lab. Recognized by M.C.I., state and central government
- Scientific Evaluation committee to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
- Institutional Ethics Committee (IEC), registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical aspects concerned with research projects.

Availability of instruments in the department for research

- 3D Optical coherence tomography
- Automated Perimetry
- Fundus Camera
- B- SCAN Ultrasonography

21. Special research laboratories sponsored by / created by industry or corporate bodies:

Not applicable

22. Publications:

S. No.	List & Title of Research Publication
1.	Changing Pattern of Medical Education, Dr. Shiwas S.R., Dr. Garg M.K Journal of Advance Researches in Biological Sciences, 2011 3(1a) 114-117
2.	Comparative study of mucosal graft, mitomycin C and conventional excision of pterygion. Vol-3, PJ & SR, July 2011
3.	Causes of Eye-Injuries in a Developing Country Dr. S.R. Shriwas Journal of Advance Researches in Biological Science 2010, 2 (1) 99-104

4.	Metabolic Cataract in CerebrotendinousXanthomatosis Dr. MinuRamakrishnan, Dr. ShobanaMallya, Dr. Shriwas S.R. Journals of Maharashtra Ophthalmological Society Vol 6 No. 2,2010 Indian Journal Of IHA, Vol 106, No.5 May P.312-13
5	Clinical and ophthalmological manifestation of malignant hypertension; international journal of medical research and review. DrVandanaTelgote, DrAnkita Singh issue 9, vol 3, oct 15
6	Comparison between conjunctivalautograft and post -op mitomycin c in patients of pterygium; biomedical review ; journal of basic and applied medical science. DrVandanaTelgote VOL 2 issue 4 , oct- dec 15
7	Dry eye in present scenario ;‘Journal of Evolution of Medical and Dental Sciences/ Volume 5/ Issue 24/ March 24, 2016.’ DrChandni Karole, DrVandanaTelgote
8	Conjunctival impression cytology - in diagnosis of dry eye in presence of normal tear film function tests ;‘Journal of Evolution of Medical and Dental Sciences/ Volume 5/ Issue 44/ June 02, 2016.’ DrVandanaTelgote, DrChandniKarole

23. Details of patents and income generated: **Nil**
24. Areas of consultancy and income generated : **Nil**
25. Faculty selected nationally / internationally to visit other laboratories /
institutions / industries in India and abroad: **Nil**
26. Faculty serving in
- a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) any other (specify)

S. No.	Name of faculty	Professional/ Academic bodies
1	Dr Pradip Gandhi	AIOS (All India ophthalmic society)- G6445
2	Dr VandanaTelgote	AIOS- 12058 MPSOS (MP state ophthalmic society)- T372 IDOS (Indore division ophthalmic society)- T3

3	Dr Chandni Karole	MPSOS- K96
4	Dr Supriya Mushriff	AIOS- M17111

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). **By Medical education training programs, seminar, group discussions, Journals club, CME, Guest lectures, Academic meet, research methodology workshop, Pharmacovigilance workshop.**

28. Student projects
Percentage of students who have taken up in-house projects including inter-departmental projects :
All U.G. students are involved in departmental projects and PG students are required to write a thesis.

The projects of PG students are:

- Dr. Ankita Singh: Evaluation of macular And Retina Nerve Fiber layer thickness and field of vision on 3D – OCT & Humphrey Perimetry respectively in patients of glaucoma.
- Dr. Shivam Goyal: Correlation of visual Acuity and foveal thickness on 3D – OCT in Patients of Diabetic Macular glaucoma
- Dr. Priyanka Kolhe: To Study the correlation between serum lipid profile & macular thickness in type – 2 Diabetic with or without maculopathy.
- Dr. Kaynat Patel: Evaluation of macular Thickness in myopic Patient using 3D – OCT
- percentage of students doing projects in collaboration with other universities / industry / institute : Nil

28. Awards / recognitions received at the national and international level by

- a) Faculty
- b) Doctoral / post doctoral fellows

Students

Post graduates:

- International ophthalmology conference Mumbai quiz (for pgs) Dr Shivam Goyal- 1st prize

- Indore divisional ophthalmic society (IDOS) QUIZ held for post graduates- Team Index(DrAnkita Singh, DrShivamGoyal, DrKaynat Patel)- 1st runner up

Undergraduates:

Every year a number of students are getting distinction in MBBS examination conducted by Devi Ahilya University, Indore.

Distinctions received in last 4 years:

2015	2014	2013	2012
Arunika Lekhi Priyanka Saxena Upma Shree	Aakansha Shehwal Ankita Verma	Ashok Khare Parul Sharma Ritu Bansal Shriti Priya	Avani Jain Mandeep Kaur Mansi Saxena Rashneet Kaur Chabra Sabiya Khan Suri Shilpy Singh Sweety Bhola Ekta Rajauria Isha Sharma Davesh Pratap Singh Akanksha Bhale A. Jain Dharmesh Singh Rakesh Ku. Maury Shipra Sarin

29. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Nil

30. Code of ethics for research followed by the departments: **Code of ethics followed are according to guidelines of Central Drugs Standard Control Organization, the ICMR , Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under guidance of Scientific Evaluation committee (SEC) & Institutional Ethics Committee (IEC) of the institution.**

31. Student profile program-wise :Subject is the part of MBBS course. 150 U.G. Students and two PG students are selected through a competitive examination held by state government/ NEET/DMAT. For the details in concern with the process and student profile of MBBS, please refer criteria 2.1

Post graduate students profile:

Name of the program	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MD 2014	As per state government / DMAT	1	1	First batch is yet to appear in exam.	
MD 2015		-	2		
MD 2016		-	2		

33. Diversity of students

Name of the program (refer to question no. 4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
MD 2014		1 (50%)	1 (50%)	
MD 2015	1 (50%)		1 (50%)	
MD 2016			2 (100%)	

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.: **Nil in the mentioned categories. However admission in Medical college is based on clearance of competitive examination conducted by Central or state government or DMAT.**

35. Student progression : **Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.**

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	3 (50%)
from other universities within the State	1 (17%)
from universities from other States	2 (33%)
from universities outside the country	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: **Nil**
38. Present details of departmental infrastructural facilities with regard to
- a) Library : there is central library with a capacity of 460 and total books 15922 and journals 100. The titles related to subject are 652. Additionally there's a departmental library with a sitting capacity of 12 and number of books 224
 - b) Internet facilities for Staff & Students : Wi-fi facility is available
 - c) Total number of class rooms: Department shares the common class rooms of the institution, which are 5 in number as per MCI norms.
 - d) Class rooms with ICT facility and 'smart' class rooms: All the class rooms are with ICT facility.
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university: **Nil**
 - b) from other institutions/universities: **Nil**
40. Number of post graduate students getting financial assistance from the university:
All Post graduates receive stipends as per the norms of state government.
41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology: MCI guidelines are followed to develop any new program.
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation?
If yes, how does the department utilize the feedback ? : frequent meeting of the departmental faculty is planned to provide and

to analyze the feedback.

- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ? The institution collects the student feedback and that is shared for the required improvement in teaching-learning evaluation.
- c. Alumni and employers on the programs offered and how does the department utilize the feedback? Alumni also provide the feedback for the departmental activities in the same manner as for the students.

43. List the distinguished alumni of the department (maximum 10):
First batch of postgraduates is yet to appear in the examination.
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

S. No.	Date	Speaker	Topic
1	24/2/15	Prof. Dr. Ganni Bhaskara Rao, President of All India Private Medical Colleges Association and Chairman of GSL Medical College in Rajahmundry, Andhra Pradesh	Role of simulation in Medical Education
2	2/5/15	Prof. Dr. D.K. Taneja, M.S., Formerly Dean MGM Medical College, Indore	Orientation for Post Graduate residents towards becoming a good doctor
3	18/6/15	Dr. Rajneesh Kachhara, M.S., M.Ch., Director institute of Neuro sciences, Medanta super specialty Hospital, Indore	Success stories of surgical treatment of brain tumors
4	3/9/15	Dr. Prashant Bhartiya (corneal Transplant Surgery) M.D. (AIIMS) D.N.B., FRCS (U.K.)	Current scenario in Corneal Surgery
5	28/1/16	Dr. Bhagyesh Pore, Eye, Orbit, Oculoplasty & oncosurgeon; Shakuntla	Orbit & Oculoplasty surgical overview

		Netralaya, Indore	
6	11/2/16	Dr. Prakash G. Chitalkar, Professor of Medical oncology, SAIMS, Indore	Hopeful Oncology- the emergence of young adult cancer medicine

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
- Case presentations- Pictorial presentation on ppt for better understanding of topic.
 - Journal discussion to build research skills.
 - Bed side teaching.
 - Group discussion- for the healthy exchange of ideas and can provide different styles of interaction as well as different viewpoints.
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? The analysis of the university result and feed back by the students and alumni is utilized for the monitoring of learning outcomes.
47. Highlight the participation of students and faculty in extension activities.
Students, staff and faculty are regularly participating in blood donation, plantation and swachhata abhiyan.
48. Give details of “beyond syllabus scholarly activities” of the department.
The department is regularly organizing camps for the awareness and management of ocular problems.
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: **All the program of the department are recognized by MCI as per the standard norms**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: **Researches of the department are additive to the already existing knowledge of medical science.**
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Availability of latest modern equipment such as, Optical coherence tomography, B- Scan Ultrasonography , Fundus

Camera, Nd; Yag Capsulotomy, Automated Perimetry, Eye Banking and so on.

- Availability of highly experienced, motivated and devoted faculty and staff.
- Research oriented environment in the department

Weaknesses:

- Lack of the Facilities for post segment surgeries.

Opportunities:

- Ant. And post. Segment diagnostic skills.
- Can deal with preventable causes of blindness by doing surgeries like cataract and keratoplasty.

Challenges:

- To get enrolled in national programs like vision 2020 and DBCS and NPCB.
- Getting financial grants from national governmental bodies as well as the industry.

52. Future plans of the department.

- To make available post segment interventions.
- Continuing enhancements of the research projects and focus on quality work.

DEPARTMENT OF ORTHOPAEDICS

EVALUATIVE REPORT OF THE DEPARTMENT

1. Name of the Department : **Orthopedics**
2. Year of establishment : **2007**
3. Is the Department part of a college/Faculty of the university? : **Yes.**
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : **MBBS, MS**
5. Interdisciplinary programs and departments involved : **MBBS, MS, BDS, PMR**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
7. Details of programs discontinued, if any, with reasons : **Nil**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System : **Annual based credit system, as per directive of the apex body (MCI)**
9. Participation of the department in the courses offered by other departments : **Integration of teaching with various subjects of medical science**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	2	1
Associate Professor/Reader	4	5
Assistant Professor	9	5
Senior Residence	5	3

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Shaukat Ali Mustafa	MS	Professor, HOD	Orthopaedics	16 yrs 10 m
Dr. Vinay Tantuway	MS	Associate Professor	Arthroplasty	12 yrs 9 m
Dr. Ashok Nagla	MS	Associate Professor	Orthopaedics	12 yrs 5 m
Dr. Abhay Manchanda	MS	Associate Professor	Oncology	9 yrs 9 m
Dr. Devendra Mandloi	MS	Associate Professor	Orthopaedics	12 yrs 4 m
Dr. Jayant Sharma	MS , DNB	Associate Professor	Orthopaedics	10 yrs 5 m
Dr. Abhishek Kalantri	D.Ortho, DNB	Assistant Professor	Orthopaedics	9 yrs 9 m
Dr. Arpit Tiwari	MS	Assistant Professor	Orthopaedics	5 years
Dr. Avinash Jain	DNB	Assistant Professor	Orthopaedics	5 yrs 3 m
Dr. Preetesh Choudhary	DNB	Assistant Professor	Orthopaedics	4 yrs 11 m
Dr. Rishi Gupta	D.Ortho, DNB	Assistant Professor	Orthopedics	4 yrs 5 m
Dr. Vinay Karnik	D.Ortho,	Senior Residence	Orthopedics	7yrs 11m
Dr. Hiranand Wadhvani	MBBS	Senior Residence	Orthopedics	8 yrs
Dr. Rajesh Wadhvani	MBBS	Senior Residence	Orthopedics	6yrs 11m

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors :
Nil

13. Percentage of classes taken by temporary faculty – program-wise information : **Nil**
14. Program-wise Student Teacher Ratio : **MBBS – 150/14, MS – 4/6**
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual : **6**
16. Research thrust areas as recognized by major funding agencies : **Not applicable**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : **Nil**
18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration: **Nil**
 - b) International collaboration : **Nil**
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : **Nil**
20. Research facility / centre with
 - a) state recognition
 - b) national recognition
 - c) international recognition
 - **Scientific Evaluation committee** to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
 - **Institutional Ethics Committee (IEC)**, registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical aspects concerned with research projects.
 - **Central Animal House** as per CPCSEA guidelines and IAEC (Institutional Animal Ethics Committee).

- **Other facilities available:** Fluoroscopy/C-Arm (IITV) , Central and Departmental Library, Fractionation machine, Hydraulic and Electrical Drills, PCR Centrifuge, Digital X-ray, Ultrasonography, CT Scan, MRI, Compression and decompression device

21. Special research laboratories sponsored by / created by industry or corporate bodies : **Not applicable**

22. Publications:

Number of papers published in peer reviewed journals (national / international)

- 1) An evaluation of tibial condyle fractures managed surgically with buttress plate and Cancellous screw – Dr.Avinash Jain, Dr.Jayant Sharma. Published in IJOS (Indian journal of Orthopaedic surgery), March 2015 Volume-1 Issue-1 Page no.50-56.
- 2) Anterior bridge plating in management of shaft humerus fractures – A prospective study. – Dr.Jayant Sharma, Dr.Avinash Jain, Dr.Pooja Gupta Jain, Dr.Prashant Upadhyaya. Published in IJOS Volume-1 Issue-3 Page no.171-175. (Indian journal of Orthopaedic surgery), Sept 2015.
- 3) Use of autologous adipose tissue derived stromal vascular fraction in treatment of knee osteoarthritis and chondral lesions – Dr.Vinay Tantuway, Dr.Mustafa Johar. Published in JEBMH (journal of evidence based medicine and health care), August 2015. Volume-2 Issue-41 Page no.7085-7098.
- 4) JESS under local anesthesia: a minimally invasive technique for proximal humeral fractures – Dr.Abhay Manchanda, Dr. Abhilash Sisodia. Published in International Journal of Medical Science and Public Health. April 2016. Volume-5 Issue-4 Page-647-656.
- 5) Clinical relevance of palmaris longus agenesis: common anatomical aberration – Published in Anatomical Science International. March 2008 Volume-83 Issue-1 Page no.45-48. Kapoor SK, Tiwari A, Kumar A, Bhatia R, Tantuway V, Kapoor S.

- 6) Evaluation of different modalities of osteosynthesis of proximal humerus fractures in adults – Published in Indian Journal of Orthopaedics Volume-2 Issue-1 Page no.27-34. Dr.Arpit Tiwari , Dr.Rahul Sinha, Dr.Mustafa Johar , Dr.Akanchha
- Monographs
 - Chapters in Books
 - Books edited
 - Books with ISBN with details of publishers
23. Details of patents and income generated : **Nil**
24. Areas of consultancy and income generated : **Nil**
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : **Nil**
26. Faculty serving in
- a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) Any other (specify)

S. No.	Name of faculty	Professional/ Academic bodies
1.	Dr. Mustafa Johar	Indian Orthopaedic Association (Life member)
2.	Dr. Abhay Manchanda	Indian Orthopaedic Association (Life member), Indian Medical Association (Life member), The Indian Musculo Skeletal Oncology Society (Life member), Indian Foot Society (Life member), Shoulder Society of India (Life member), Orthodox Society of South Asian Countries (Life member),International Society of Orthopaedic Surgery and Traumatology (Life member), Indian Musculoskeletal Oncology Society (Life member)
3.	Dr. Vinay Tantuway	Indian Orthopaedic Association (Life member), Indian Medical Association (Life member), Indore Orthopaedic Association (Life member)
4.	Dr. Ashok Nagla	Indian Medical Association (Life member), Indian Orthopaedic Association (Life member),

		Indore Orthopaedic Association (Life member)
5.	Dr. Abhishek Kalantri	Indore Orthopaedic Association (Life member)
6.	Dr. Avinash Jain	Indore Orthopaedic Association (Life member), Indian Society for Trauma and Acute Care (Life member), Membership of National Academy of medical Sciences (MNAMS) (Life member)
7.	Dr. Arpit Tiwari	Indian Orthopaedic Association (Life member), Indian Medical Association (Life member)
8.	Dr. Preetesh Choudhary	Indian Orthopaedic Association (Life member), Membership of National Academy of medical Sciences (MNAMS) (Life member)
9.	Dr. Rahul Sinha	Indian Orthopaedic Association (Life member), Indian Medical Association (Life member)

Editorial board: Dr. Jayant Sharma (Chief editor, Journal of Orthopaedics and Rheumatology)

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). : **Medical education training programme, Seminars, Group discussions, Research methodology workshop, Lectures by MEU, Guest lectures etc.**

28. Student projects

Percentage of students who have taken up in-house projects including inter-departmental projects : **100%. All U.G. students are involved in departmental projects and PG students are required to write a thesis. Projects undertaken by PG students are as follow:**

Title of the project	P.G. Student
Comparison of different modalities of treatment for metacarpal fractures	Dr. Piyush Rajesh
Role of Joshi's external stabilization system (JESS) in decreasing the incidence of frozen shoulder v/s other modalities in proximal humeral fracture.	Dr. Abhilash Shishodia
Role of image guided biopsy in suspected tuberculosis of spine	Dr. Vivek Patel
Role of flexion (in degrees) and femoral offset guide in	Dr. Viral K Patel

achieving proper femoral tunnel in arthroscopic ACL reconstruction.	
A comparative study of radiological alignment and computer navigated measurements of lower limb coronal alignment pre & post total knee arthroplasty.	Dr. Johney Juneja
Hemiarthroplasty for unstable intertrochantric fracture femur in elderly	Dr. Akhil Arora
Identifying the role of 3D CT Scan in the management of Proximal Tibial Fractures essential or just beneficial.	Dr. Gaurav Sahu
Evaluation of results of fracture shaft femur at and below middle one-third treated with distal femoral nail.	Dr. Noor Arshad

Percentage of students doing projects in collaboration with other universities / industry / institute : **Nil**

28. Awards / recognitions received at the national and international level by

- a) Faculty
- b) Doctoral / post doctoral fellows
- c) Students

Every year a number of students are getting distinction in MBBS examination conducted by Devi Ahilya University, Indore.

Distinctions received in last 4 years:

2012	2013	2014	2016
Madhusudan Rajawat Harmeet Singh Chaoudhary Harshita Bhardwaj Eshu Dixit Priyamvada Saraf Priyanka Kolhe Ridhi Narang	Shilpi Singh Sudarshan Gupta Isha Sharma	Murtaza Johar Ritu Bansal	Jyoti Sharma

29. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any :

Webinar of Proximal humerus fractures : By Dr.Tanna (MS Orthopaedics, Professor and Head, Jaslok Hospital, Mumbai and

Member of American Academy of Orthopaedic Association) : Organized by IPCA on 18th June 2016.

30. Code of ethics for research followed by the departments :
Code of ethics are followed according to guidelines of Central Drugs Standard Control Organization, the ICMR , Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under guidance of Scientific Evaluation committee (SEC) & Institutional Ethics Committee (IEC) of the institution.
31. Student profile program-wise :
 Subject of Orthopaedics is the part of MBBS course. 150 U.G. Students and 4 PG students are selected through a competitive examination held by state government/ NEET/DMAT.

For the details in concern with the process and student profile please refer criteria 2.1

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MS-2014	As per state government / DMAT	4	0	First batch is yet to appear in the exam.	
MS-2015		4	0		
MS-2016		4	0		

33. Diversity of students

For MBBS and MS courses, students are selected from all over the country through a competitive examination held by state government/ NEET/DMAT.

Name of the program (refer to question no. 4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
MS-2014	0	0	4 (100%)	0
MS-2015	1 (25%)	0	3 (75%)	0
MS-2016	0	0	2 (50%)	2 (50%)

34. **How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations?**

Give details category-wise.

: Nil

35. Student progression

Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	4 (29%)
from other universities within the State	4 (29%)
from universities from other States	4(28%)
from universities outside the country	2(14%)

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period : **Nil**

38. Present details of departmental infrastructural facilities with regard to

- **Library :**
There is a central library with a capacity of 460. Total books : 15922, Journals : 100. The titles related to subject are 754. Additionally there's a departmental library with a sitting capacity of 16 and number of books 200.
- **Internet facilities for staff and students:**
Wi-fi facility is available in library premises. Internet facility is available in OPD and the departmental office.
- **Total number of class rooms:**
Department shares the common class rooms of the institution (Total : 5) , as per MCI norms.
- **Class rooms with ICT facility and 'smart' class rooms:**
All class rooms are with ICT facility. Additionally, department has got Three Demonstration rooms with capacity of 30 students in each. LCD projector is available in one demonstration room. Other rooms are having chalk and board facility for teaching.

- **Students' laboratories : Yes**
Orthopaedic museum (Two): Includes photographs of various common surgical problems, mannequins and POP models for teaching of undergraduate and post graduate students.
 - **Research laboratories :**
Department shares Central research lab and laboratories of basic medical science for research purpose.
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university : **Nil**
 - b) from other institutions/universities : **Nil**
40. Number of post graduate students getting financial assistance from the university. : **PG students are getting stipend from the institute.**
41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology : **MCI guidelines are followed for the development of new programme.**
42. **Does the department obtain feedback from:**
- a. Faculty on curriculum as well as teaching-learning-evaluation?
If yes, how does the department utilize the feedback ? :
Through regular meetings of head and faculties of the department on assessment of academic progress and evaluation of teaching learning methods.
 - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ?
The institution collects feedback from the students which is utilized for the improvement of teaching-learning methods of various departments.
 - c. Alumni and employers on the programs offered and how does the department utilize the feedback ? : **Like the students, alumni also provide feedback for teaching-learning methods of the department.**
43. List the distinguished alumni of the department (maximum 10)
First batch of postgraduates of the department is yet to appear in the examination.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

S. No.	Date	Speaker	Topic
1	24/2/15	Prof. Dr. Ganni Bhaskara Rao , President of All India Private Medical Colleges Association and Chairman of GSL Medical College in Rajahmundry, Andhra Pradesh	Role of simulation in Medical Education
2	23/4/15	Dr. P. Jamjute, M.S.,MRCOG (Consultants Urogynacologist. NHSU, U. K.)	Update in urogynaecology
3	2/5/15	Prof. Dr. D.K. Taneja, M.S., Formerly Dean MGM Medical College, Indore	Orientation for Post Graduate residents towards becoming a good doctor
4	11/5/15	Prof. Dr. B.R. Parekh, M.S.,M.Ch., Prof. & Head Dept. of Paediatric Surgery, MGM Medical College, Indore	Spectrum of Pediatric surgical disorders
5	18/6/15	Dr. Rajneesh Kachhara, M.S., M.Ch., Director institute of Neuro sciences, Medanta super specialty Hospital, Indore	Success stories of surgical treatment of brain tumors
6	2/7/15	Dr. Niraj Jain, M.D.,D.M. (Consultant Gastro-entriologist, CHL Hospital, Indore)	Hepatitis-B an update
7	23/7/15	Prof. Dr. Brajendra Baser, M.S., AIIMS (E.N.T. Consultant)	Current trends in ENT practice
8	3/9/15	Dr. Prashant Bhartiya, M.D. (AIIMS) D.N.B., FRCS (U.K.), Corneal transplant surgeon	“Current scenario in Corneal Surgery”
9	1/12/15	Dr.Piyush Gupta, Ohio, USA	Inner Healing
10	28/1/16	Dr.Bhagyesh Pore, Eye,Orbit, Oculoplasty & Oncosurgeon, Shakuntla Netralaya, Indore	Orbit & Oculoplasty surgical overview
11	11/2/16	Dr. Prakash G. Chitalkar, Professor	Hopeful Oncology- the

		of Medical oncology, SAIMS, Indore	emergence of young adult cancer medicine
12	8/2/16	Dr.Shrikant Fatak, HOD, ENT, Choithram Hospital, Indore	Human voice & voice disorders
13	9/8/16	B.K.Vika Bahen, Prajapita Brahamkumaris Ishwariya Vishyavidyalaya	Spirituality and health care

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
- a) For undergraduate students, multiple choice question (MCQ) based tests are periodically conducted, which help them in preparation of Pre-PG examinations, along with the traditional university examinations.
 - b) Ward leaving tests (WLT) of undergraduate students, at the end of their clinical posting.
 - c) Case presentations, Seminars, journal clubs, group discussions etc. for post-graduate students. Besides, post graduate students are motivated to attend various state and nations level conferences, CMEs, workshops etc.
 - d) To teach the students about various topics of orthopaedic methods of clinical examination and surgeries, computer aided teaching is used in form of demonstration of various photographs, animations, videos etc.
 - e) Demonstration and Clinical teaching of students on various types of dummies and mannequins in 'Orthopaedics Museum' (2 in number).
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?
- Tests and sessional exams of students
 - Ward leaving tests after clinical posting
 - Regular meetings of head and faculties of the department
47. Highlight the participation of students and faculty in extension activities.
- Students, staff and faculty are regularly participating in various activities like blood donation, plantation and Swachhha Bharat Abhiyaan etc.**

48. Give details of “beyond syllabus scholarly activities” of the department.

Department promotes the PG students to attend different workshops, conferences and various types of super specialty courses like orthoplasty, spine arthroscopy etc.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programmes of the department are recognized by the MCI as per the standard norms.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Researches of the department are additive to the already existing knowledge of medical science.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

1. Students are with better academic performance as they are selected through a competitive examination.
2. Expert and experienced faculty in the department like Spine surgery, Paediatric orthopaedic surgery, Ortho-onco surgery, Hand surgery, Total arthroplasty in hip and knee.
3. Orthopaedic museum
4. Scientific evaluation committee, IEC (Institutional Ethics Committee for Stem cell research) and a registered Institutional Ethics Committee (IEC) are available for the research projects.

Weaknesses:

1. Rigid course structure and examination pattern by the apex body.
2. Location of college is far away from the Indore city.
3. Research laboratories need to be improved for better research work.

Opportunities:

1. Traditional teaching methods need to be continually replaced by digital and online resources.
2. Students need to be motivated to participate in various national health programmes.

Challenges:

1. Teaching students from varied backgrounds and getting them ready to face the future competitive examinations.
2. To train the students to face day to day health problems of the community and different National health programmes.

52. Future plans of the department:

- To improve the research infrastructure to promote research activities.
- Development of online forum to strengthen the capability of students to face MCQs based competitive examinations for the selection in post-graduation as well as super-specialization course.
- Establishment of a lab for advanced research in Tissue repair.
- Expansion of 'Orthopaedics museum' to include more varieties of dynamic and functional models for conceptualization.
- Hands-on training of endoscopic ortho-surgeries and microscopic surgical re-implantation of whole limb or a part of it.
- Simulator for hand-on training of laparoscopic surgery

DEPARTMENT OF PATHOLOGY

EVALUATIVE REPORT OF THE DEPARTMENT

1. Name of the Department : Pathology
2. Year of establishment : 2007
3. Is the Department part of a college/Faculty of the university?: Yes it is part of the college
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : UG(MBBS), PG (MD)
5. Interdisciplinary programs and departments involved: MBBS, MD, BDS, B.Sc. Nursing
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programs discontinued, if any, with reasons: Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Annual based credit system as per directives of the apex body (MCI)
9. Participation of the department in the courses offered by other departments: Integration of the teaching with various subjects of medical science
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	3	4
Associate Professor	2	0
Assistant Professor	4	5

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. S. K. Nema	M.D.	Professor (HOD)	Pathology	30
Dr. Sanjeev Narang	M.D.	Professor	Pathology	29
Dr. Anil Kapoor	M.D.	Professor	Pathology	40
Dr. Arjun Singh	M.D.	Professor	Pathology	10
Dr. Jitendra Barania	M.D.	Assistant Professor	Pathology	12
Dr. Neelam Bharihoke	M.D.	Assistant Professor	Pathology	10
Dr. Navin Jain	M.D.	Assistant Professor	Pathology	10
Dr. Anjali Singh	M.D.	Assistant Professor	Pathology	6
Dr. Parul Dargar Maheshwari	D.N.B.	Assistant Professor	Pathology	1

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil
13. Percentage of classes taken by temporary faculty – program-wise information : Nil
14. Program-wise Student Teacher Ratio: MBBS- 150/9, MD – 9/4
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: 24
16. Research thrust areas as recognized by major funding agencies : Not applicable

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : Nil

18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration
 - b) International collaboration: Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil

20. Research facility / centre with
 - a) state recognition
 - b) national recognition
 - c) international recognition
 - Well equipped Departmental Research lab and central research Lab. Recognized by M.C.I., state and central government
 - Central animal house as per CPCSEA guidelines and IAEC (Institutional Animal Ethics Committee).
 - Scientific Evaluation committee to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
 - Institutional Ethics Committee (IEC), registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical aspects concerned with research projects.

RESEARCH FACILITIES AVAILABLE

A. I.H.C TEST:

S. No.	I.H.C. Test Kits
1.	CD – 10
2.	CD – 20
3.	Cytokeratin – 7

4.	Desmin
5.	EMA (Epithelial Membrane Antigen)
6.	ER (Estrogen Receptors)
7.	Pr (Progesterone Receptors)
8.	HMB – 45
9.	S – 100 Protein
10.	Vimentin
11.	CD - 45(LCA)
12.	SMA
13.	Actin Muscle – Specific
14.	Chromogranin – A
15.	CD 34
16.	ErbB – 2/ Her – 2
17.	Cytokeratin Cocktail
18.	Myf – 4 (Myogenin)
19.	Alpha – Fetoprotein (AFP)
20.	Carcinoembryonic Antigen (CEA)
21.	CD 3
22.	CD 43
23.	CD 30
24.	VEGF
25.	MUC – 2
26.	MUC – 5AC

B. Electrophoresis analyser

1. Hb electrophoresis
2. Serum electrophoresis
3. Urine electrophoresis

C. Cryostat microtome

1. Frozen section done within 30-40 min. (diagnostic & research purpose)

D. All histochemistry & cytochemistry stain's

1. Periodic acid and schiff's stain
 2. Reticulin stain
 3. Mucicarmine (south gate's)
 4. von kossa's method
 5. Grocott stain
 6. Periodic acid silver methenamine stain
 7. Verhoeff's stain (e.v.g)
 8. Path stain
 9. Standard alcian blue method
 10. Amyloid stain
 11. Papanicolaou stain (rapid)
21. Special research laboratories sponsored by / created by industry or corporate bodies: Not applicable
22. Publications:

Book Publication

Text Books:

Singh A. Book entitle "Exfoliative cytology for diagnosis of Oral Pathological lesions" published by Lambert academic publishing house Germany ISSN No. 978-3-8433-7528-3.

Chapter in Books

Robins, South Asia Edition (Vol-I&II) Maj. Gen. (Retd) Shrikant Nema.

Book/Journal edited

International Journal of Medical Science Research and Practice (pISSN 2349-3178 eISSN 2349-3186)

Indian Journal of Pathology Research and Practice (ISSN2278-148X)

Association of Medical Science Editors

Journal of Biomedical Science (2254-609X)

Paper Publication:

1. **Sharma M, Narang S, Nema SK.** Study of altered platelet morphology with changes in hyperglycemic status. Int J Res Med Sci 2016; 4(3): 757-761.
2. **Sharma M, Nema SK, Narang S.** Relationship of hyperglycemia with platelets. Inter J ContempPathol 2015. Accepted No. 1092/IJOCP/2016. Dated 18th March 2016.
3. **Dhariwal SK, Narang S, Singh A, Nema SK.** Evaluation of Hematological indices, neutrophils & platelets in attending

- tertiary care centre. Indian J Path Onco Vol. 3, Issue. 2. Dated 21 Jan 2016 Accepted
4. **Singh LP, Nema SK, Narang S.** Diagnostic significance of thrombocytopenia in malaria & its correlation with types & severity of malaria. Indian J Path Onco: Vol.3,Issue.2. Accepted. 19/03/2016.
 5. **Narang S.** Minimal Changes Disease. Int J of Medical Sci Res Pract 2015; 2(2): 133.
 6. **Narang S.** Acute post streptococcal glomerulonephritis. Int J of Medical Sci Res Pract 2015; 2(1): 56.
 7. **Narang S.**Thallemia. Int J of Medical Sci Res Pract 2015; 2(3): 79-83.
 8. **Singh A, Saxena A, Bhambani P, Nema SK,** Gaur R, Ambey A. Faculty perception and attitude on Problem based learning (PBL) in medical college from central India. British Journal of Medicine and Medical Research 2014; 4(9): 1836-43.
 9. **Nema SK, Singh A, Bhasker H, Bhambani P, Sharma HS Julka K.**Histomorphological review of Alveolar Rhabdomyosarcoma vis-à-vis other small cell tumors in children. Int J Res Med Sci 2014; 2(2): 775-778.
 10. **Sharma M, Nema SK, Singh A, Bhambani P.** Renal Angiomyolipoma: a caes report. Int J Medical Sci Res Pract 2014; 1(2): 50-54.
 11. **Singh A, Sharma R, Nema SK.** Basal cell adenoma mimicking adenoid cystic carcinoma on FNAC-A case report. Int J Med Res Rev 2014; 2(2): 166-168.
 12. **Narang S, Karunjo N, Jain R.** Squamous cell carcinoma: Morphological spectrum a two year analysis. Indian J Surgery 2014; 76(2): 104-110.
 13. **Narang S, Prajapati R, Jain R.** Adenocarcinoma: Morphological & topographical spectrum of, a two year study. Int J of Medical Sci Res Pract 2014; 1(3): 79-83.
 14. **Narang S.** Ulcerative Colitis. Int J of Medical Sci Res Pract 2014; 1(1): 27.
 15. **Ambey R, Singh A.** Bilateral portwine stain in child with Sturge Weber Syndrome. Int J of Medical Sci Res Pract 2014; 1(1): 26.
 16. **Gogia P, Ambey R, Singh A, Gaur A, Patel GS.** Outbreak of Ebola virus click alarm for devastating epidemic. Int J of Medical Sci Res Pract 2014; 1(2): 30-32.
 17. **Singh A, Ambey R.** Problem based learning: What and why. Int J of Medical Sci Res Pract 2014; 1(2): 33-35.
 18. **Singh A, Gaur R, Ambey R.** The diagnostic accuracy of Fine Needle Aspiration Cytology in Leprosy: A Clinico-

- Histopathological Correlation. *Int J Res Med Sci* 2014; 2(2): 689-694.
19. **Akole R, Bhambani P, Singh A, Nema SK.** Leiomyosarcoma of urinary bladder. *Asian Journal of Medical research* 2013; 2(3): 62-64.
 20. **Singh A, Gaur R, Ambey R.** Spectrum of leprosy patients with clinico-histopathological correlation: a hospital based study. *Asian J Med Sci* 2013; 4(4): 11-16.
 21. **Singh A, Bhambani P, Nema SK.** Diagnostic accuracy of FNAC in diagnosis for cause of lymphadenopathy: a hospital based analysis. *Int J of Res Med Sci* 2013; 1(3): 271-277.
 22. **Yogesh N, Bhasker H.** Clinicopathological correlation of Hysterectomy Specimens in Abnormal Uterine bleeding in Rural Area. *J of Evolution of Med and Dental Science* 2013; 2(39): 7506-7512.
 23. **Nema SK, Gupta M, Singh A, Jaiswal SS, Kucheria M, Raipurkar S.** Prevalence and Spectrum of Haemoglobinopathies in tertiary care center in rural area of Madhya Pradesh. *Int J of Res Med Sci* 2013; 1(4): 482-486.
 24. **Singh A, Gaur R, Ambey R.** Spectrum of leprosy patients with clinico-histopathological correlation: a hospital based study. *Asian J Med Sci* 2013; 4(4) 11-16.
 25. **Ambey R, Singh A.** Umbilical myiasis in a healthy newborn. *Pediatrics and International Child Health* 2012; 32(1): 56-57.
 26. **Ambey R, Singh A.** Book Review. *The State of the World's Children 2012: Children in an Urban World.* *Australasian Medical Journal (AMJ)* 2012; 5(6): 222-223.
 27. **Ambey R, Singh A.** Book Review. *Born to Soon: The global action report on preterm birth.* *Australasian Medical Journal (AMJ)* 2012; 5(11): 598-599.
 28. **Singh A.** Umbilical endometriosis mimicking as papilloma to general surgeons: A case report. *Australasian Medical Journal (AMJ)* 2012, 5, 5, 272-274.
 29. **Agrawal G, Singh A, Nema SK.** Umbilical endometriosis mimicking as papilloma to general surgeons. - *Indian Journal of Pathology and Microbiology.* Vol – 55, Supplement – 1 Nov. 2012.
 30. **Akole R, Sharma R, Singh A, Nema SK.** Basal Cell Adenoma Mimicking Adenoid cystic carcinoma - *Indian Journal of Pathology and Microbiology.* Vol – 55, Supplement – 1 Nov. 2012.
 31. **Sharma M, Sharma R, Singh A, Nema SK.** Accessory unicornuate uterus with absence of right kidney - *Indian Journal of Pathology and Microbiology.* Vol – 55, Supplement – 1 Nov. 2012.

32. **Gupta M, Singh A, Saxena A, Nema SK.** Florid decidual hyperplasia of endometrium due to exogenous progesterone - Indian Journal of Pathology and Microbiology. Vol – 55, Supplement – 1 Nov. 2012.
33. **Bhasker H, Mishra J, Nema SK.** Malignant Peripheral Nerve Sheath Tumour – Indian Journal of Pathology and Microbiology. Vol – 55, Supplement – 1 Nov. 2012.
34. **Singh A, Haritwal A, Murali BM.** Correlation between cytology and histopathology of the salivary gland. Australasian Medical Journal (AMJ) 2011; 4(2):66-71.
35. **Singh A, Haritwal A, Murali BM.** Pattern of breast lumps and diagnostic accuracy of fine needle aspiration cytology; a hospital based study from Pondicherry, India. The Internet journal of Pathology 2011; 11(2): 1-13.
36. **Singh A.** Student performance and their perception of a patient-oriented problem-solving approach with audiovisual aids in teaching pathology: a comparison with traditional lectures. Advances in Medical Education and Practice; 2011; 1: 9-15.
37. **Singh A.** Ethics for Medical Educators: An Overview and Fallacies. Indian Journal of Psychological Medicine 2010; 32(2): 83-86.

23. Details of patents and income generated: nil
24. Areas of consultancy and income generated : Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil
26. Faculty serving in
 - a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) any other (specify)
27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).
By Medical education training programme, seminar, group discussions, Journals club, CME, Guest lectures, Academic meet, research methodology workshop, Pharmacovigilance workshop.
28. Student projects
Percentage of students who have taken up in-house projects including inter-departmental projects :

All U.G. students are involved in departmental projects and PG students are required to write a thesis.

Post graduate projects completed:

S. No.	Project	P.G. Student	Guide
1	To assess the prevalence and patho - physiology of anemia in adolescent girls in rural environment around Index Medical College Hospital and Research Center.	Dr. Pawan Bhambani	Dr. S.K.Nema
2	A comparative evaluation of pap smear at visual inspection of acetic acid (via) in screening of cervical cancer.	Dr. Gaurav Agrawal	Dr. Arjun Singh
3	To evaluate the prevalence and spectrum of haemoglobinopathies in a tertiary care rural hospital.	Dr. Mamta Gupta	Dr. S.S Jaiswal
4	Study of pre – term and full term placenta to identified pregnancy related morbidity and mortality in rural set – up.	Dr. Raghavendra Singh Akole	Dr. S.K.Nema
5	Pattern of diseases associated with abnormal uterine bleeding and clinico pathological study of hysterectomy specimen.	Dr. Honey Bhaskar	Dr. S.K.Nema
6	Platelet morphology as a cost effective surrogate marker for early detection of complication in diabetes mellitus.	Dr. Mitakshara Sharma	Dr. Sanjeev Narang
7	Changes in leucocytes and platelet count and morphology in patients of malaria: A comparative study at a rural tertiary care center in central India.	Dr. Lal Pranay Singh	Dr. S.K.Nema
8	Study of plasma fibrinogen level and its relation to glycemic control in type-2	Dr. Parag Gupta	Dr. S.K.Nema

	diabetes mellitus patients attending clinic at a tertiary care teaching hospital.		
9	Evaluation of haematological indices, neutrophils and platelets in pregnant women attending tertiary care center.	Dr. Somendra Dhariwal	Dr. Arjun Singh
10	Contribution of cytology in the diagnosis and management of benign as well as malignant thyroid lesions.	Dr. Priyanka Tiwari	Dr. Arjun Singh

Post graduate projects under process:

S. No.	Project	P.G. Student	Guide
1.	Cytology and H-LBC in fire needle as function samples.	Dr. Rahul Karode	Dr. Arjun Singh
2.	A comparative study of HbA1C over F.B.S as a method to diagnose Diabetes mellitus in clinically suspected of Diabetes mellitus.	Dr. ShaharBano Khan	Dr. Anil Kapoor
3.	A comparative study of liquid based cytology and conventional pap smear in cervical screening.	Dr. Apurva Malhotra	Dr. Arjun Singh
4.	a study to detect incidence of premalignant lesion and incidental carcinoma in clinically diagnosed Benign prostatic hyperplasia (BPH).	Dr. Aditya Thignath	Dr. SanjeevNarang
5.	Assessment of coagulation profile as predictor of DIC and HELLP syndrome in case of pregnancy induced hypertension.	Dr. Vikas Misra	Dr. SanjeevNarang
6.	A cross sectional study on spectrum of infection in cervicovaginal smear.	Dr. NeelambaraBidwai	Dr. S.K.Nema
7.	Study of micronucleus assay in buccal mucosa cells of tobacco users.	Dr.Awani Jain	Dr. S.K.Nema

8.	To study the morphological spectrum of endometrium in patients presenting with DUB (Dysfunctional uterine Bleeding).	Dr. Jai Singh	Dr. S.K. Nema
9.	Study of gestational thrombocytopenia in ANC patient.	Dr. Saniya Sharma	Dr. Arjun Singh
10.	Homocysteine level in urban and rural population in and around tertiary care center.	Dr. Randeep Kaur	Dr. Sanjeev Narang
11.	Detection of micrometastasis in lymph nodes in various malignancy using IHC marker:- CK7 & EMA.	Dr. Akanchha Sinha	Dr. Sanjeev Narang
12.	Role of VEGF in dysfunctional uterine bleeding.	Dr. Snehil Agrawal	Dr. Mohini Kucheria
13.	Spectrum of non infectious papillo squamous skin diseases.	Dr. Harmeet Singh	Dr. S.K. Nema
14.	Study of morphological changes in leucocytes as a marker of neonatal sepsis.	Dr. Radhika Rathi	Dr. Mohini Kucheria
15.	CD10, a stromal marker in prognostication of breast cancer.	Dr. Surekha Sharma	Dr. S.K. Nema
16.	Serum Heparin as a potential marker in iron deficiency anaemia in general population.	Dr. Sonal Vyas	Dr. Anil Kapoor
17.	Study of morphological pattern of anemia in pediatric age group in and around a tertiary health care center of central India.	Dr. Himani	Dr. Anil Kapoor

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies : Nil

29. Awards / recognitions received at the national and international level by

- Faculty : Dr S K Nema Prof and Head Dept of Pathology is Appointed as Member of Indian Advisory Board of Robbins Basic Pathology South East Asia Edition 2015
- Doctoral / post doctoral fellows
- Students: A few students had got distinction in MBBS

examination conducted by Devi Ahilya University, Indore, For example Kinjal Tala in 2016, Aprajita Kumari in 2015, and Seema Sharma in 2013

Number of Post graduates have received prizes in poster presentation of the research projects:

1. Dr. Surekha Sharma: Angiomyolipoma of kidney, IIIrd prize, at MPPATHOCON 2014)
2. Dr. Harmeet Singh: Hashimotos Thyroiditis – A case report, IInd prize, at MPCYTOCON 2015
3. Dr. Surekha Sharma: Role of CH 10, A stromal marker in prognostication of breast cancer and comparison with ER, PR, HER 2 – neu (Epithelial marker), IInd prize, at MPPATHOCON 2016
4. Dr. Akanchha Sinha: Micrometastasis of lymphnode in virus Malignancy using CK 7 and EMA, Consolation prize, at MPPATHOCON 2016
5. Dr. Rahul Karoda: Malakoplakia of Testis - A rare case report. Ist prize, at MPPATHOCON 2016
6. Dr. Awani Jain: Struma ovary - A case report , IInd prize, at MPPATHOCON 2016
7. Dr. Aditya Tignath: Chondroblastoma of Talus - A case report (IIIrd prize, at MPPATHOCON 2016)

28. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

The department has organized and co-organized the conferences and workshops as per details given below-

MP Pathcon 2014 (Date 10&11 Oct 2014, Place: Hotel Sayaji Indore M.P)

Date	Speaker	Topic
11.10.2014	Dr. Sumeet Gujral (Prof. Pathology, TMH Mumbai M.H)	Flow Cytometry
11.10.2014	Dr. Asitava Mondal (Prof. J.R. Kar Medical College, Kolkata)	Imaging, cytology, Cell block study with Histopath & IHC in diagnosis of soft tissue sarcoma of oralcavity
11.10.2014	Dr. Kedar K Deodhar (Prof. Pathology, TMH, Medical College, Mumbai)	Hysterectomy for uterine & cervical malignancy

11.10.2014	Dr. Sharda Raju Rane (Prof. Pathology, B.J Medical College Pune)	Pathophysiology of malaria
11.10.2014	Dr. Asawan Patil	Grossing of Head Neck specimen
11.10.2014	Dr. Rajiv Kumar (Ass. Prof. TMH Mumbai)	Grossing of esophageal and Lung specimen
11.10.2014	Dr. U.M. Sharma (Ass. Prof. GMC Bhopal)	The Pathologist and Law an overview

MPCYTOCON 2015 (07&08 Feb 2015, Places: Index Medical College Indore M.P): A grant of Rs.50000 was provided by MCI New Delhi vide letter no. MCI-311 (4)(155)2014-15/CME/56897 dated 5/2/15.

Date	Speaker	Topic
07.02.2015	Dr. Archana Deshpande (Nagpur Medical College M.H), Dr. Supreya (GMC Nagpur M.H)	FNAC in role of thyroid lesion and salivary gland
07.02.2015	Dr. U.S. Dinesh (Sattur, Dharwad Karnataka)	Cystic lesion of breast: Are all of them benign
07.02.2015	Dr. Atul Gupta (S.N. Medical College Agra)	FNAC of soft tissue lesion
07.02.2015	Dr. Rajesh Mundhe (Prince Aly Khan Hospital, Mumbai M.H)	Cytological slid seminar Pitfalls in cytology
07.02.2015	Dr. Reena Bharadwaj (AFMC, Pune M.H)	Renal masses relation on Cytological Examination
07.02.2015	Dr. Archana Deshpande (Nagpur Medical College M.H)	Salivary gland FNAC the straight road
07.02.2015	Dr. Sneha Hingway (GMC Nagpur M.H)	Salivary FNAC difficult terrain
07.02.2015	Dr. Rasika Gadkri (Ambajogai, Beed, M.H)	Non neoplastic spectrum of thyroid FNAC
07.02.2015	Dr. Sharad Jain (NSCB Medical College Jabalpur M.P)	Pap Smear Examination: What we are missing.

MPPATHCON 2016 (09&10 July 2016 Place: MGM Medical College Indore M.P)

Date	Speaker	Topic
09.07.2016	Dr. Harshmohan (Retd.) (MMCC Medical College Chandigarh)	Tumor Pathology – overview
09.07.2016	Dr. Harshmohan (Retd.) (MMCC Medical College Chandigarh)	Future trends in pathology
09.07.2016	Dr. Harshmohan (Retd.) (MMCC Medical College Chandigarh)	Art of scientific writing in academics
09.07.2016	Dr. Rajiv Kumar (TATA memorial Mumbai M.H), Dr. Santosh, Dr. Neha	IHC – overview and interpretations
09.07.2016	Dr. Sharad Jain (NSCB Jabalpur M.P)	Risk management in blood transfusion practice
09.07.2016		Stem cell benefits
09.07.2016	Dr. Harshmohan (Retd.) (MMCC Medical College Chandigarh)	Approach to granulomatous lesions in skin
09.07.2016	Dr. Pankhi Datta (CMC Vellore)	Laboratory approach to anemia diagnosis
09.07.2016	Dr. Pankhi Datta (CMC Vellore)	Automated cell counter basic – one needs to do

Additionally also co-organized:

“Dr. J N Monga oration and a regional CME 2015” on 9th Aug 2015- Indore.

“Correlate clinical trial and good clinical practice basic workshop” 13 - 14 oct 2014 in Index Medical college.

“Relevance of diagnosis” CME in Dental Science 22 Aug 2015 – Indore.

“Hands on Workshop on PCR & RT PCR 2015” on 22 Nov 2015 at MGM Medical College, Indore.

29. Code of ethics for research followed by the departments: Code of ethics followed are according to guidelines of Central Drugs Standard Control Organization, the ICMR , Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under guidance of Scientific Evaluation committee (SEC) & Institutional Ethics Committee (IEC) of the institution.
30. Student profile program-wise : Subject is the part of MBBS course. 150 U.G. Students and one PG student are selected through a competitive examination held by state government/ NEET/DMAT. For the details in concern with the process and student profile please refer criteria 2.1

Post graduate students profile

Name of the program	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MD 2011	As per state government / DMAT	2	1	50	0
MD 2012		1	2	100	100
MD 2013		3		100	
MD 2014		1	8	Yet to appear in exam.	
MD 2015		4	5		
MD 2016		4	4		

33. Diversity of students

Name of the program (refer to question no. 4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
MD 2011	2 (67%)		1(33%)	
MD 2012		1(33%)	2 (67%)	
MD 2013	1(33%)	1(33%)	1(33%)	
MD 2014	1(11%)	5(56%)	3(33%)	
MD 2015	6(67%)	3(33%)		
MD 2016	3(38%)		4(50%)	1(12%)

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.: Nil in the mentioned categories. However admission in Medical college is based on clearance of competitive examination conducted by Central or state government or DMAT.
35. Student progression :
Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.
36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	3 (33%)
from other universities within the State	2(22%)
from universities from other States	4(45%)
from universities outside the country	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil
38. Present details of departmental infrastructural facilities with regard to
- a) Library : there is central library with a capacity of 460 and total books 15922 and journals 100. The titles related to subject are 610. Additionally there's a departmental library with a sitting capacity of 20 and number of books 223
 - b) Internet facilities for staff and students: wi-fi facility is available at library premises. LAN & internet is available in the department.
 - c) Total number of class rooms: Department shares the common class rooms of the institution, which are 5 in number as per MCI norms.
 - d) Class rooms with ICT facility and 'smart' class rooms: All the class rooms are with ICT facility. Additionally department is

- having two demonstration room with a capacity of 85 each. One hall is a 'smart class room'
- e) Laboratories: well equipped laboratories for all the routine and special test are available. A blood bank with components separation facility is also available. A central research lab for advanced multidisciplinary research is also functional.
 - f) There is a separate museum for UG students with selective specimens and respective histopathology slides with detailed description of both.
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university: Nil
 - b) from other institutions/universities: Nil
40. Number of post graduate students getting financial assistance from the university: All Post graduates receive stipends as per the norms of state government.
41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology: MCI guidelines are followed to develop any new programme.
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback ? : frequent meeting of the departmental faculty is planned to provide and to analyze the feedback.
 - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ? The institution collects the student feedback and that is shared for the required improvement in teaching-learning evaluation.
 - c. Alumni and employers on the programs offered and how does the department utilize the feedback ? Alumni also provide the feedback for the departmental activities in the same manner as for the students.
43. List the distinguished alumni of the department (maximum 10):
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Guest Speaker Series with External Experts: 2015-16

Date	Speaker	Topic
24/2/15	Prof. Dr. Ganni Bhaskara Rao , President of all India Private Medical College Association & Chairman of GSL Medical College, Rajamundry, (A.P.)	Role of simulation in Medical Education
23/4/15	Dr. P. Jamjute M.S. MRCOG (Consultants Urogynaecologist. NHSU U. K.)	Update in urogynaecology
2/5/15	Prof. Dr. D.K. Taneja M.S. (formerly Dean & Prof. Emeritus Orthopedics MGM Medical College, Indore	Orientation for Post Graduate residents towards becoming a good doctor
11/5/15	Prof. Dr. B.R. Parekh MCh (formerly Prof. & Head Dept. of Paediatric Surgery MGM Medical College, Indore	Spectrum of Pediatric surgical disorders
3/6/15	Dr. Anil Singhavi M.D. (Consultant Haematologist)	Recent advances in sickle cell disease treatment
11/6/15	Dr. Idris Khan M.D. D.M. (Consultant Cardiologist, Bombay Hospital, Indore	Recent advance in Cardiology
18/6/15	Dr. Rajneesh Kachara M.S. M.Ch, Director institute of neuro sciences madanta super specialty Hospital Indore	Success stories of surgical treatment of brain tumors
2/7/15	Dr. Niraj Jain M.D. D.M. (Consultant Gastro entereologist, CHL Hospital)	Hepatitis-B an update
10/7/15	Dr. Sandeep saxena M.D. D.M. (Nephrologist, Apollo Hospital Indore)	Chronic kidney disease management an update
23/7/15	Prof. Dr. Brajendra Baser M.S., AIIMS (E.N.T. Consultant)	Current trends in ENT practice
8/8/15	Prof. Dr. P.C. Manoria Director Manoria Heart Care & Intervention Center, Bhopal (M.P.)	ST Elevation Myocardial infarction
21/8/15	Prof. Dr. Saurabh Malviya M.D.	“Arthritis – Myths &

	(HOD-Dept. of Rheumatology, Medanta Hospital, Indore)	Pearls”
3/9/15	Dr. Prashant Bhartiya (corneal Transplant Surgery) M.D. (AIIMS) D.N.B., FRCS (U.K.)	“Current scenario in Corneal Surgery”
1/12/15	Dr. Piyush Gupta, Ohio, USA	Inner Healing
28/1/16	Dr. Bhagyesh Pore, Eye, Orbit, Oculoplasty & oncosurgeon; Shakuntla Netralaya, Indore	Orbit & Oculoplasty surgical overview
11/2/16	Dr. Prakash G. Chitalkar, Professor of Medical oncology, SAIMS, Indore	Hopeful Oncology- the emergence of young adult cancer medicine
18/2/16	Dr. Shrikant Fatak, HOD, ENT, Choithram Hospital, Indore	Human voice & voice disorders

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
- Monthly evaluation of the progress through class test
 - Topic completion test
 - MCQs based evaluation
 - Seminars/journals club/ group discussion
 - Participation in local/state/national conferences/CMEs/workshop
 - Implementation of buddy system where an academically sound student is allotted a weaker student of their batch to coach and monitor the study.
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?
The analysis of the university result and feed back by the students and alumni is utilized for the monitoring of learning outcomes.
47. Highlight the participation of students and faculty in extension activities.
Students, staff and faculty are regularly participating in blood donation, plantation and swachhata abhiyan.
48. Give details of “beyond syllabus scholarly activities” of the department.
The department plays a key role in the diagnostic procedures and blood bank services.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: All the program of the department are recognized by MCI as per the standard norms and Blood bank is also recognized.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Researches of the department are additive to the already existing knowledge of medical science.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

1. The department has all basic needs to provide state of art diagnostic services to the patients.
2. The state of art facilities and Central Research Lab is equipped with Cryostat Automated Electrophoresis, Automated Microtome and tissue processor and RT- PCR.
3. The research facilities available at department are adequate to provide a suitable platform to conduct basic research in multiple discipline of pathology such as surgical pathology, hematology, clinical pathology and molecular techniques by the postgraduates and faculty in the department.
4. The department is also capable of transferring the research outcome from bench to bed, a science known as “ Translational Medicine”
5. The diagnostic services are comprehensive and meet all standards for a tertiary care hospital.

Weaknesses:

1. In spite of adequate research facilities there are lack of mindset and enthusiasm to take up challenges in the newer fields of diagnostics.
2. The faculty, PGs and even UGs need motivation to perform and get new ideas which are innovative as per the needs of patients.
3. Communication skills amongst student is poor may be due to English language of Medical science. Basically most of these student come from orthodox Hindi speaking families and therefore understanding and promoting the thought process takes a back seat.
4. Technical skills and lack of know how among the paramedical staff.

Opportunities:

1. The department has potential to perform world class research and can translate it from “ Bench (Laboratory) to Bed (Patient)”
2. PGs in particular can take training in high standard of laboratory skills and know how to practice in civic street and provide excellent diagnostic services to clinicians for the benefit of the community.
3. The students can be trained in Medical Teaching skills and can prove to be excellent teachers in future.

Challenges:

1. To get excellent research assistants who have dedication and involvement with high standard of technical skills and knowledge in the field of laboratory services.
2. To break the communication barrier amongst the students and teachers.
3. To motivate the faculty and student to take part in innovative research.
4. To teach all about public speaking and “Medical Education Technology”.

Future Plans:

1. To provide facilities to learn research methodology at centers of excellence in the country.
2. To conduct motivational lectures for taking part in research.
3. To provide adequate and skilled research assistants.
4. To equip Research Lab with newer gadgets.

DEPARTMENT OF PEDIATRICS

EVALUATIVE REPORT OF THE DEPARTMENT

1. Name of the Department : Paediatrics
2. Year of establishment : 2007
3. Is the Department part of a college/Faculty of the university?: Yes it is part of the college
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : UG(MBBS), PG (MD)
5. Interdisciplinary programs and departments involved: MBBS, MD, BDS, B.Sc. Nursing
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programs discontinued, if any, with reasons: Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Annual based credit system as per directives of the apex body (MCI)
9. Participation of the department in the courses offered by other departments: Integration of the teaching with various subjects of medical science
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	03	02
Associate Professor/Reader	02	02
Assistant Professor	07	06
Senior Resident	04	05

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Vinayak R. Deshmukh	D.C.H., M.D.	Professor	Pediatrics	25
Dr. Swati V. Raipurkar	M.D.	Professor	Pediatrics	21
Dr. Mohini Harshey	M.D.	Associate Professor	Pediatrics	11
Dr. Ashish Batham	M.D.	Associate Professor	Pediatrics	10
Dr. Madhu Goyal	M.D.	Assistant Professor	Pediatrics	8
Dr. Saurabh Piparsania	D.N.B	Assistant Professor	Pediatrics	7
Dr. Prashant Choudhary	M.D.	Assistant Professor	Pediatrics	6
Dr. Anjali Bharani	M.D.	Assistant Professor	Pediatrics	4
Dr. Bharati Dubey	M.D.	Assistant Professor	Pediatrics	4
Dr. Pramila Ramawat	D.Ch., D.N.B.	Assistant Professor	Pediatrics	3
Dr. Chaitanya Deo	D.Ch	Senior resident	Pediatrics	9
Dr. Neepa Choudhary	D.Ch	Senior resident	Pediatrics	9
Dr. Sangeeta Agrawal	D.Ch	Senior resident	Pediatrics	8
Dr. Rani Manchanda	D.Ch	Senior resident	Pediatrics	7
Dr. Pallavi Kumari	D.Ch	Senior resident	Pediatrics	6

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:
Nil

13. Percentage of classes taken by temporary faculty – program-wise

information : Nil

14. Program-wise Student Teacher Ratio: MBBS- MBBS- 150:15, MD - 04:5
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: 9
16. Research thrust areas as recognized by major funding agencies : Not applicable
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : Nil
18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration
 - b) International collaboration: Nil
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil
20. Research facility / centre with
 - a) state recognition
 - b) national recognition
 - c) international recognition
 - Well equipped Departmental Research lab and central research Lab. Recognized by M.C.I., state and central government
 - Central animal house as per CPCSEA guidelines and IAEC (Institutional Animal Ethics Committee).
 - Scientific Evaluation committee to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
 - Institutional Ethics Committee (IEC), registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical aspects concerned with research projects.
 - There's a thalassaemia ward in which patients of anemia and

hemoglobinopathies including thalassemia are admitted for different investigations(research purpose) and for blood transfusion

- There's also an epilepsy unit in which patients having seizures are admitted for treatment and research investigations.

21. Special research laboratories sponsored by / created by industry or corporate bodies: Not applicable

22. Publications:

Text Books:

Chapter in Books:- " Chapter in Paediatric for practitioners" Acute Bacterial meningitis . ISBN No-978-93-5152-136-5 by **Dr.Swati Raipurkar** in 2014

Paper Publication:

1.	Raipurkar.S , Puloria k,Sharma .S,Evaluation ORS plus Zinc supplement in controlling diarrhea in Paediatric Patients. ,Medicon 2012 (Australia Asia Journal)
2.	Khadse.S, Khanna.S.A, High Risk N.B. birth Injury, GA & BW disorder, 259-272 edition 2009
3.	Talib Y. SURve, Gaurav Mittal, Sandhya S. Khadre, S.A. Khanna Epilepsy with myoclonic Absence, Indian Journal of Medicine 73: Feb
4.	Singh.S, Muktesh.S, Snerhlata.C. Study of Habits in Relation to Academic Performance in High School Student. Asian Journal of Development Matters Vol 4(2), July 2010, 209-215
5.	Tullu M, Jambhale D, Jadhav S, BharanI AT,et al. Recurrent asptic(Mollaret's)meningitis in a Young girl ,pediatric infectious disease 2010 jan:4(1):9-12
6.	Landge A, Toshniwal A, Kher A, Muranjan M,LAhiri K,De Sanctiscacchione syndrome :-A Rare form of Xerodermapigmentosum genetics clinics.2010:3(1):3-4
7.	Saurabh Pipersania. Intraventricular Polymixin B For the Treatment of Neonatal Meningo-Ventricutis caused by Multi resistant Acineobacter. Turkish Journal of paediatrics 2012. Case report and Review literature
8.	Saurabh Pipersania. PATENT VITELLOINTESTINAL DUCT:-A Close Differential Diagnosis of Umbilical Granuloma case report. In Surgical Science Journal published online – 2011

9.	Saurabh Pipersania . Purpura fulminans in Infantile Streptococcal septicaemia. CASE REPORT in Surgical Science 2011
10.	Dr.Saurabh Pipersania, Immunization Status of School Children of Indore Hailing from Different Socio-economic status. National Journal of Community Medicine VOL-2,2 July-Sept.2011.
11.	Dr.Saurabh Pipersania. Exploring the Causes of Local immunization status in school going children. Online Journal Of Health and Allied science (VOL 10),issue 4,Oct-Dec. 2011.
12	Prashant Wadagbalkar, Dr.Poonam Patel, Swati .V. Raipurkar, Amritesh Ranjan. Ibuprofen induced hemoglobinuria- case report. European journal of Pharmaceutical and Medical Research 2016, 3(6), 359- 362.
13	Swati VRaipurkar, Poonam Patel, Vijay Mucchal, Randhir Khurana, Prashant Wadagbalkar; Paracetamol induced fixed drug eruption;case report;InternationalJournal of Contemporary Pediatrics; july-sept2015 vol 2 (3)
14	Dr.Saurabh Pipersania, Saurabh Singh, Shubhangi Mahashabde, S. Raipurkar. Gaint congenital melanocytic Naevi. A case report and review of literature. International Journal of Pediatric Review, July 2016,vol 3, issue 7

23. Details of patents and income generated: nil
24. Areas of consultancy and income generated : Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil
26. Faculty serving in
- a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) Any other (specify)

S. No.	Name of faculty	Professional/ Academic bodies
1	Dr. swati Raipurkar (Dr.Swati	Vice president Indian Academy of Pediatrics. Indore Member of National Neonatology Forum.(Central

S. No.	Name of faculty	Professional/ Academic bodies
	Prashant)	branch) Member of IAP (Central Branch) Member of Cardiology society of India. Indore Member of Resp.chapter. Indore Member of Infectious disease chapter. Indore Member of Indian medical association .Indore branch.
2.	Dr.Mohini Harshey	Member of IAP(Central branch)
3	Dr.Saurabh Pipersania	Member of IAP(Central branch) Member of NNF (Central branch)
4.	Dr Bharti Dubey	Member of NNF(Central Branch)
5.	Dr.Anjali Bharani	Member of IAP(Central branch) Member of NNF(Central branch)
6.	Dr.Pramila Ramawat	Member of IAP(Central Branch) Member of NNF(Central Branch)

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). **By Medical education training programme, seminar, group discussions, Journals club, CME, Guest lectures, Academic meet, research methodology workshop, Pharmacovigilance workshop.**

28. Student projects

a) Percentage of students who have taken up in-house projects including inter-departmental projects:

All U.G. students are involved in departmental projects and PG students are required to write a thesis.

The ongoing projects by PG students are:

- To study the incidence of anemia & anemia profile among rural children aged 1-5years- Dr. Saurabh Singh
- A comparative study of growth & development pattern between children having nutritional anemia & hemolytic anemia in the age group 1-10 years- Dr. Amritesh Ranjan

- A study of incidence of neonatal thrombocytopenia & its correlation with maternal risk factors in newborn- Dr. Nagesh Chandra Doharey
- Study the effect of maternal anemia on neonatal outcome- Dr. Randhir Khurana
- A cross sectional study on Nutritional status and associate nutritional deficiencies in malnourished preschool children in relation to anthropometric measurement.- Dr. Sanjeev Suman
- Meconium stained Amniotic Fluid and its Neonatal outcome in a Rural tertiary care hospital near Indore- Dr. Nitin Gyarspuria
- A cross sectional study to evaluate the Prevalence of short stature and its various etiologies in Pediatric population attending a Medical College OPD in Indore.- Dr. Archana Rani
- Determination of prevalence and Etiology of Headache in children in a tertiary care centre in rural areas of Indore.- Dr. Ritesh Kumar Singh

b) Percentage of students doing projects in collaboration with other universities / industry / institute : Nil

28. Awards / recognitions received at the national and international level by

- a) Faculty
- b) Doctoral / post doctoral fellows

2nd prize for poster presentation by Randhir Khurana (MP State Pedicon2015)

Students: Every year a number of students are getting distinction in MBBS examination conducted by Devi Ahilya University, Indore.

Distinctions received in last 5 years in pediatrics:

2016	2015	2014	2013	2012
Richa Sharma, Jyoti Sharma, Shivani Kale	Ashish Saraswat Amna Khatoon Ankita Verma Neha Singh Parihar Prashati Khanna	Ritu Bansal Saurav Jain Pallavi Singh Ankita Singh	Sweety Bhola Swar Nima Upadhya Sunil Malani Shubhangi Jain Namita Chandra Neeraj Redhu	Harmit Singh Chaudhary Harshita Bhardwas Eshu Dixit Ridhi Narang

		Isha Sharma	
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29. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.
1. CO-ORGANISED Workshop with IAP on Fluid and Electrolyte Balance (Held during PEDICON-2014) on 8/01/2014 . IMCHRC
 2. Workshop on Neonatal Resuscitation .Title:-IAP-AAP-LDSC NRP .Date:-22/12/2012. IMCHRC
 3. Workshop on Neonatal Resuscitation .Title:-IAP-AAP-LDSC NRP on Dec.2013. IMCHRC
 4. Workshop on Neonatal Resuscitation .Title:-IAP-AAP-LDSC NRP on 27/6/2014. IMCHRC
 5. Co-organised with CASPER ASTHMA workshop – State level. Title:- Workshop on Controlling Asthma in Paediatric Population. Date:- 20/7/2014. IMCHRC

Source of funding is the institutional aid.

30. Code of ethics for research followed by the departments: Code of ethics followed are according to guidelines of Central Drugs Standard Control Organization, the ICMR , Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under guidance of Scientific Evaluation committee (SEC) & Institutional Ethics Committee (IEC) of the institution.
31. Student profile program-wise : Subject is the part of MBBS course. 150 U.G. Students and one PG student are selected through a competitive examination held by state government/ NEET/DMAT. For the details in concern with the process and student profile please refer criteria 2.1

Post graduate students profile:

Name of the program	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MD 2014	As per state government / DMAT	4		Yet to appear in exam.	
MD 2015		3	1		
MD 2016		2	2		

33. Diversity of students:

Name of the program (refer to question no. 4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
MD 2014		1 (25%)	2(50%)	1(25%)
MD 2015		2 (50%)	2 (50%)	
MD 2016	1(25%)	1(25%)	1(25%)	1(25%)

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.: Nil in the mentioned categories. However admission in Medical college is based on clearance of competitive examination conducted by Central or state government or DMAT.

35. Student progression:

Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	2 (13%)
from other universities within the State	2 (13%)
from universities from other States	11 (74%)
from universities outside the country	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library: there is central library with a capacity of 460 and total books 15922 and journals 100. The titles related to subject are 754. Additionally there's a departmental library with a sitting capacity of 25 and number of books 235

- b) Internet facilities for staff and students: wi-fi facility is available at library premises. LAN & internet is available in the department.
 - c) Total number of class rooms: Department shares the common class rooms of the institution, which are 5 in number as per MCI norms.
 - d) Class rooms with ICT facility and 'smart' class rooms: All the class rooms are with ICT facility.
 - e) Units in the department & No. of beds: -4 units/120 beds
 - f) Any other relevant information: -NICU-8BEDS, PICU-6BEDS with Warmers, Ventilators, Multiparameter monitor, Phototherapy machine, infusion pumps available. Thalassaemia ward, departmental Museum.
 - g) Research laboratories: one central research lab for the research activities.
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university: Nil
 - b) from other institutions/universities: Nil
40. Number of post graduate students getting financial assistance from the university: All Post graduates receive stipends as per the norms of state government.
41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology: MCI guidelines are followed to develop any new programme.
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : frequent meeting of the departmental faculty is planned to provide and to analyze the feedback.
 - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ? The institution collects the student feedback and that is shared for

the required improvement in teaching-learning evaluation.

- c. Alumni and employers on the programs offered and how does the department utilize the feedback ? Alumni also provide the feedback for the departmental activities in the same manner as for the students.
43. List the distinguished alumni of the department (maximum 10):
First batch of postgraduates is yet to appear in the examination.
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

S. No.	Date	Speaker	Topic
1.	24/2/15	Prof. Dr. Ganni Bhaskara Rao , Chairman of GSL Medi. Coll. In Rajamundry, (A.P.)	Role of simulation in Medical Education
2.	2/5/15	Prof. Dr. D.K. Taneja M.S. (Ex Dean MGM Medical College, Indore	Orientation for Post Graduate residents towards becoming a good doctor
3.	3/6/15	Dr. Anil Singhavi M.D. (Consultant hemotologist)	Recent advances in sickle cell disease treatment
4.	11/6/15	Dr. Idris Khan M.D. D.M. (Consultant Cardiologist, Bombay Hospital, Indore	Recent advance in Cardiology
5.	2/7/15	Dr. Niraj Jain M.D. D.M. (Consultant Gastro entrelogist, CHL Hospital)	Hepatitis-B an update
6.	10/7/15	Dr. Sandeep saxena M.D. D.M. (Nephrologist, Apollo Hospital Indore)	Chronic kidney disease management an update
7.	8/8/15	Prof. Dr. P.C. Manoria Director Manoria Heart Care & Intervetion Center, Bhopal (M.P.)	ST Elevation Myocardial infarction
8.	21/8/15	Prof. Dr. Saurabh Malviya M.D. (HOD- Rheumatology, Medanta Hospital, Indore)	“Arthritis – Myths & Pearls”
9.	3/9/15	Dr. Prashant Bhartiya (corneal	“Current scenario in

		Transplant Surgery) M.D. (AIIMS) D.N.B., FRCS (U.K.)	Corneal Surgery”
10.	28/1/16	Dr.Bhagyesh Pore, Eye,Orbit, Oculoplasty & oncosurgeon; Shakuntla Netralaya, Indore	Orbit & Oculoplasty surgical overview
11.	11/2/16	Dr Prakash G. Chitalkar, Professor of Medical oncology, SAIMS, Indore	Hopeful Oncology- the emergence of young adult cancer medicine
12.	18/2/16	Dr.Shrikant Fatak, HOD, ENT, Choithram Hospital, Indore	Human voice & voice disorders
13.	9/8/16	B.K.Vika Bahen, Prajapita Bramhakumaries Ishwariya Vishwavidhyalaya	Spirituality and Health care

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

Methods of evaluation of student

- Power point presentation
- Chalk and board method
- Quiz
- Asking question before and after the topic
- Monthly evaluation of the progress through class test
- Topic completion test
- MCQs based evaluation
- Seminars/journals club/ group discussion
- Participation in local/state/national conferences/CMEs/workshop
- OSCE(Objective Structured Clinical Examination

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? The analysis of the university result and feed back by the students and alumni is utilized for the monitoring of learning outcomes.

47. Highlight the participation of students and faculty in extension activities.

Students, staff and faculty are regularly participating in blood donation, plantation and swachhata abhiyan.

- Active participation in organizing and celebrating ORS week in July at IMCHRC every year in association with IAP ,Indore
- Active participation in organizing and celebrating breast

- feeding week in first week of August , every year.
 - School health checkup camps
48. Give details of “beyond syllabus scholarly activities” of the department.
The department plays a key role in community health camps, immunization programs and school health check up programs.
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: All the program of the department are recognized by MCI as per the standard norms
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Researches of the department are additive to the already existing knowledge of medical science.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength:

- 1) Hard Working,Dedicated Faculties with Tertiary Level Care in NICU And PICU With Fully Functional Ventilator,CPAP And State of The Art Equipments.
- 2) Fully Functioning Paediatric Sub Speciality Clinics such as Vaccination Clinic ,Asthma Clinic,Nutritional And Well Baby Clinic,Epilepsyand Neurology Clinic,Cardiology,Rehabilitation Clinic,Child Guidance,Devlopmental Clinic.
- 3) Thalessemia Ward for Thalessemia Patients and patients with Other Hematological Problem.
- 4) Regular presentation of the Posters ,Papers and Cases In The Local,State And National Conferences and CME.
- 5) Regular organization of the Workshops like NRP Workshop, Asthma workshop, Fluid and Electrolyte Workshop.

Weakness:

- 1) Lack of superspeciality Journals .
- 2) Improper utilization of NICU and PICU due to lack of awareness among the rural population.
- 3) Lack of efficient Marketing of the facilities available in the department.
- 4) Inadequate Mannequins and Simulators for Learning.

Opportunity:

- 1) Good Learning Opportunity For U.G.,P.G and Interns to get excellence in Clinical Skills and Procedures.
- 2) Opportunity For Doing research works, Publication and Paper Presentation.

Challenges:

- 1) To Meet The Milleneum Development Goal-4
- 2) To Decrease Infant Motility Rate
- 3) To Decrease The Neonatal Mortality Rate
- 4) To Increase The Vaccination Coverage.
- 5) To Bring Down Under nutrition And Malnutrition In Paediatric Age Group And To Decrease The Spread Of Communicable Diseases.

52. Future Plans :

- Extension of NICU .
- To get ICMR , WHO and UNICEF Projects.
- To establish an NRC Centre.

DEPARTMENT OF PHARMACOLOGY

Evaluative Report of the Department

1. Name of the Department : Pharmacology
2. Year of establishment : 2007
3. Is the Department part of a college/Faculty of the university?: Yes it is part of the college
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : UG(MBBS), PG (MD)
5. Interdisciplinary programs and departments involved: MBBS, MD, BDS, B.Sc. Nursing
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programs discontinued, if any, with reasons: Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Annual based credit system as per directives of the apex body (MCI)
9. Participation of the department in the courses offered by other departments: Integration of the teaching with various subjects of medical science
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	02	02
Associate Professor/Reader	02		
Assistant Professor	03	03	03

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Prem Nyati	MD	Prof & HOD	Pharmacology	34
Dr. Suraj Tripathi	MD	Professor	Pharmacology	14
Dr. Jay L. Shah	MD	Assist. Professor	Pharmacology	3
Dr. Poonam Patel	MD	Assist. Professor	Pharmacology	2
Dr. Pankaj Gupta	MD	Assist. Professor	Pharmacology	2

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil
13. Percentage of classes taken by temporary faculty – program-wise information : Nil
14. Program-wise Student Teacher Ratio: MBBS- 30:1 MD -1:2
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: 9
16. Research thrust areas as recognized by major funding agencies : Not applicable
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : Nil
18. Inter-institutional collaborative projects and associated grants received
- a) National collaboration
- b) International collaboration: Nil
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS,

DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil

20. Research facility / centre with

- a) state recognition
- b) national recognition
- c) international recognition

- Well equipped central research Lab. Recognized by M.C.I., state and central government
- Central animal house as per CPCSEA guidelines and IAEC (Institutional Animal Ethics Committee).
- Scientific Evaluation committee to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
- Institutional Ethics Committee (IEC), registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical aspects concerned with research projects.
- Department has its own Experimental Pharmacology Lab, chemical Lab, clinical Lab and research Lab along with a drug museum

21. Special research laboratories sponsored by / created by industry or corporate bodies: Not applicable

22. Publications:

Text Books:

- Pharmacology-SEED, 2011
Nyati Prem: Globalmedik Publisher, New Delhi ISBN No.978-93-80804-00-2

Paper Publication:

2016:

- Dr. P. Patel, Dr. Jay Shah, Dr. P. Nyati, Dr. Suraj Tripathi, a survey on knowledge and attitude of rational use of antibiotics on predesigned proforma among interns and 1st year postgraduate students.

International journal of Pharma sciences and research. Vol. 7 No. 8
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- Hemant Tanwani, **Prem Nyati**, Shubham Atal, Ritesh Churihar: Evaluation of Antianxiety, Antidepressant and Sedative Effects of Nimodipine in Swiss Albino Mice. International Journal of Pharmacy and Pharmaceutical Sciences.
- Pooja Solanki Mishra, Pradeep Phadnisb, Savita Vyas, **Prem Nyati**: Study of CNS Activities of Piperine *Perse* and its Bio-Enhancing Effect on Various Drugs in Experimental Animal Models. International Journal of Pharmacy and Pharmaceutical Sciences. Vol 8, Issue 4, 2016: 135-140

2015:

- Hemant Tanwani, Sheetal P Pandey, Shubham Atal, **Prem Nyati**: Evaluation of anti-psychotic effect of nimodipine using methylphenidate as a model to induce psychosis in albino mice. International Journal of Basic and Clinical Pharmacology. Nov-Dec 2015, vol 4(6);1047
- Khyati Jain, **Suraj Tripathi**: Study on chloramphenicol resistance pattern in Central India, Indore , International Journal of Medical Science Research and Practice • Vol 2 • Issue 1 • 2015
- Khyati Jain, Madhurendra S Rajput, Nilesh Chavan, S.M.Jain, **Suraj Tripathi, Prem Niyati**: ESBL- A Great Concern in Urinary Tract Infections in Tertiary Care Hospital, Indore, International Journal of Health Sciences & Research, 2015, 5 (8) 217-223
- Shashi R, **Shah J**. Prescribing patterns of antimicrobials in diabetic foot ulcer in a tertiary care teaching rural hospital. International journal of medical and applied sciences. 2015;4(1): 144-153.

2014:

- Dr. Sukanta Sen, **Dr.Pankaj Gupta**, Dr. Satwika Sinha, **Dr. Pawan Bhambani** Haemovigilance and Transfusion Safety: A Review. Scholars Journal of Applied Medical Sciences (SJAMS), 2014:2(1A): 85-90

2013:

- Joydip Das, Sukanta Sen, **Pankaj Gupta**, Indranil Banerjee, Somnath Mondal, Santanu K. Tripathi: Compensation for Injury or Death in Drug Trials Participants in India: A critical Review; Indian Journal of Pharmacology, Vol. 45 Supplement 1, December 2013
- Dr Anjali Kushwaha, Dr.Meghna Gandhe, **Dr. Poonam Patel**;Antibacterial resistance: An overview; JIIMA; vol111, no 4, April 2013
- Dr.S. Kothari, **Dr.Poonam Patel** Efficacy, tolerability and cost

effectiveness of Zotepine versus Olanzapine in patients of acute schizophrenia; Research article; International Journal of Basic and Clinical Pharmacology; sep-oct 2013; vol 2(5)

- **Jay shah**, Tejas Khakhkhar, Saurabh bhirud, Rima b shah, Sanjay date. Study of utilization pattern of anti-hypertensive drugs in hypertensive diabetic patients with or without reduced renal function at tertiary care teaching hospital. International Journal of Medical Science and Public Health. 2013;2(2): 175-180.
- **J shah**, Bmsattigeri. A study of adverse drug reactions in patients admitted to orthopaedic wards in tertiary care teaching rural hospital. International journal of pharmacology and therapeutics. 2013;3(2): 24-30.

2012:

- Sen S, Sinha S, **Nyati P**, Joshi P: Evaluation of glycemic control and insulin resistance on addition of Sitagliptin to ongoing Metformin monotherapy in type2 diabetes patients; Journal of advance biological researches in biological sciences, India, vol.4 (1) 10-13,2012
- Agrwal M., **Nyati P.**, Lakhtakia P., Agrwal A.C.: the study of efficacy, carry over effect, and safety of Diacerin and its comparison to Nimesulide per se and their combination in treatment of Osteoarthritis of knee; The Journal of Orthopedics, Traumatology And Rehabilitation, Vol 5, No.3, 179-188, 2012

2011:

- Dr.S. Kothari, **Dr.Poonam Patel**: Emergence of multi drug resistant bacteria in suppurative infection: A threat for tomorrow: Pharmacology online, 2:194-203, 2011

2010:

- **Sen S, Nyati P, Bhambani P**, Sinha S, Kar Kaushik: Comparative Evaluation of Glycemic Control & Changes in Lipid Profile with Combined Oral Hypoglycemics (a sulfonyl urea plus pioglitazone versus a sulfonyl urea plus Pioglitazone) in Patients with Type 2 Diabetes Mellitus. Journal of Association of Medical Biochemists of India, Sep. 2010
- Agrwal M, **Nyati P**: Dilemma of Diclofenac Safety; The Journal of Orthopedics, Vol 2, No.1, 2010
- **Sen S, Sinha S, Nyati P, Prashant S**: Evaluation of ORS plus Zinc supplement in controlling diarrhea in paediatric patients; Indian journal of pharmacology, Vol 42 supplement 2; p331, December 2010

2009:

- **Nyati P, Agrwal M**: Do NSAIDs Impair Fracture Healing; The Journal

- of Orthopedics, Traumatology And Rehabilitation, Vol 2, No.1, 2009
 - **Sen S, Sinha S, Nazmi A, Tripathi S, & Prashant:** Estimation of serum enzymes in Antibiotic therapy for assessment of Hepatotoxicity; Indian Journal of Clinical Biochemistry, Vol. 24 Supplement 2009
 - **Sen S, Sinha S, Nazmi A, Tripathi S, & Prashant:** Comparative Evaluation of Fexofenadine with Chlorpheniramine maleate and Betamethasone in controlling symptoms of Allergic Rhinitis; Indian Journal of Pharmacology, Vol. 41 Supplement 1, 2009
 - Agrwal M, **Nyati P**, Raj B, Agrwal AC: Study of Analgesic prescription during fracture management; Indian journal of pharmacology, Vol 41 supplement 1; pS24, December 2009
 - Mahapatra SP, **Nyati P**, Raj B, Dwivedi SK, Maiti BC, Maiti TK: Evaluation of some synthesized novel substituted phthalamide derivatives as potent antidiabetic agents ; Indian journal of pharmacology, Vol 41 supplement 1; pS27, December 2009
23. Details of patents and income generated: nil
24. Areas of consultancy and income generated : Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil
26. Faculty serving in
- a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) Any other (specify)

Dr. Prem Nyati:

- Dean Faculty of Medicine, Malwanchal University, Indore
- Ex-member of Board of Studies of Devi Ahilya Vishwavidyalaya, Indore and Awadhesh Pratap Singh Vishwavidyalaya, Rewa, M.P.India.
- Life member of Indian Medical Association (IMA), Indian Pharmacological Society (IPS) & Association of Physiologists and Pharmacologists of India (APPI).

Dr. Poonam Patel: Life member of Indian Pharmacological Society (IPS)

Dr. Pankaj Gupta: Life member of Indian Pharmacological Society (IPS) & IMA

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). **By Medical education training programme, seminar, group discussions, Journals club, CME, Guest lectures, Academic meet, research methodology workshop, Pharmacovigilance workshop.**

28. Student projects
 Percentage of students who have taken up in-house projects including inter-departmental projects :
 All U.G. students are involved in departmental projects and PG students are required to write a thesis.

The projects completed by PG students are:

- **A concurrent parallel study to compare the efficacy, safety and economy of oral iron chelators deferasirox & defriprone in patients of β thallemia major by Dr.Pankaj Gupta**
- Efficacy and Safety of Tapentadol verses Tramadol in low back pain “ A Prospective, Randomized, Open-label, Comparative Study” by Dr.ShashiRanjan
- percentage of students doing projects in collaboration with other universities / industry / institute : Nil

29. Awards / recognitions received at the national and international level by

- a) Faculty
- b) Doctoral / post doctoral fellows

Students:

Every year a number of students are getting distinction in MBBS examination conducted by Devi Ahilya University, Indore.

Distinctions received in Pharmacology for last 4 years:

2015	2014	2013	2012
Salman Kachba	Pooja Bardia	Anjum Khan	Sandeep Joshi
Aprajita Kumari	Roopal Khare	Ankur Deshwali	Shriti Priya
Karishma Makwane	Shalini Thakur	Seema Sharma	Shree Naidu
Subhashish Das	Jyoti Sharma	Shikha Sharma	
Neha Khan	Lasya		
Rajni Patel	Raveendran		
Yugandhara Patade	Neha Raghuwanshi		

Utkarsha Jain Greeshma Malviya .Manoj Dhansena Vaijnath Suryawanshi Aanchal Manchanda			
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30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

List of conferences/ workshop organized/co-organized with the eminent scientists as Facilitator/participants

Date	Name of the Event	Eminent scientist Contributed as facilitator
February 22nd & 23 rd , 2014	STORM (Symposium and training workshop on Research Methodology)	Dr. Abdul Hamid Zargar (EC member of MCI and Ex director of AIIMS, New Delhi) Dr. Babulal Verma , Ex regional co-ordinator of International Epidemiological Association Dr. Anant Bhan (Researcher, Bioethics and global Health, Pune) Dr. Bhavna Dhingra (Asst. Professor, Pediatrics AIIMS Bhopal MS. Vasumathi Sriganesh (Quality Medical Knowledge foundation, Mumbai) MS. Lakshmi Padmanabhan (Quality Medical Knowledge foundation, Mumbai) Dr. Sumit Malhotra (Assistant Professor Community Ophthalmology AIIMS New Delhi) MR. Richard Kirubakaran (Biostatistician CMC Vellore Dr. Puneet Gupta (Assistant Professor, Comm Dent, Govt College of Dent. Indore)

Date	Name of the Event	Eminent scientist Contributed as facilitator
13 th & 14 th Oct. 2014	Conduct of Clinical Trials & Good Clinical Practice	Dr.Santanu Tripathi, Professor & Head, Pharmacology, Calcutta School of Tropical Medicine Dr. Sukanta Sen, Calcutta School of Tropical Medicine
July 1 to 3, 2013	Pharmacovigilance-Practice and Prospects	Dr. Sudhir Bansod, Pragma Vigilance consulting, Zurich, Switzerland Dr. Santanu Tripathi, Professor & Head, Dept of Clinical & Exptl. Pharmacology, CSTM, Kolkata Dr. S.P. Dhaneria, Professor & Head, Dept of Pharmacology, AIIMS, Raipur Dr. Prem Nyati, Vice Dean & Professor, Dept of Pharmacology, Index Medical College, Indore presented Dr. Sachin Kuchya, Associate Prof., Dept of Pharmacology, Jabalpur Dr Sukanta Sen, CSTM , Kolkata

Source of funding is registration fee and institutional aid.

31. Code of ethics for research followed by the departments: Code of ethics followed are according to guidelines of Central Drugs Standard Control Organization, the ICMR , Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under guidance of Scientific Evaluation committee (SEC) & Institutional Ethics Committee (IEC) of the institution.
32. Student profile program-wise : Subject is the part of MBBS course. 150 U.G. Students and one PG student are selected through a competitive examination held by state government/ NEET/DMAT. For the details in concern with the process and student profile please refer criteria 2.1

Post graduate students profile:

Name of the program	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MD 2011	As per state	1		100	

MD 2012	government / DMAT	1		100	
MD 2013		1		-	
MD 2016			1		

33. Diversity of students

Name of the program (refer to question no. 4)	% of students from the same university	% of students from other universities within the state	% of students universities outside the state	% of students from other countries
MD 2011	1 (100%)			
MD 2012			1 (100%)	
MD 2013	1 (100%)			
MD 2016				1 (100%)

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.: Nil in the mentioned categories. However admission in Medical college is based on clearance of competitive examination conducted by Central or state government or DMAT.

35. Student progression:

Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	3 (60%)
from other universities within the State	1(20%)
from universities from other States	1(20%)
from universities outside the country	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil
38. Present details of departmental infrastructural facilities with regard to
- a) Library: there is central library with a capacity of 460 and total books 15922 and journals 100-. The titles related to subject are 551.
 - b) Internet facilities for staff and students: wi-fi facility is available at library premises. LAN & internet is available in the department.
 - c) Total number of class rooms: Department shares the common class rooms of the institution, which are 5 in number as per MCI norms.
 - d) Class rooms with ICT facility and 'smart' class rooms: All the class rooms are with ICT facility. Additionally department is having two demonstration room with a capacity of 85 each.
 - e) Students' laboratories: three labs namely experimental Pharmacology, Pharmacy and Clinical Pharmacology are for UG students. and one research lab for PG student. There is also a Drug museum.
 - f) Research laboratories: There's one research lab in the department and one central research lab for the research activities.
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university: Nil
 - b) from other institutions/universities: Nil
40. Number of post graduate students getting financial assistance from the university: All Post graduates receive stipends as per the norms of state government.
41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology: MCI guidelines are followed to develop any new programme.
42. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback ? : frequent meeting of the departmental faculty is planned to provide and to analyze the feedback.
 - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ? The institution collects the student feedback and that is shared for the required improvement in teaching-learning evaluation.
 - c. Alumni and employers on the programs offered and how does the department utilize the feedback ? Alumni also provide the feedback for the departmental activities in the same manner as for the students.
43. List the distinguished alumni of the department (maximum 10):
Dr. Pankaj Gupta, ex-postgraduate is assistant professor in our own department.
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Date	Speaker	Topic
24/2/15	Prof. Dr. Ganni Bhaskara Rao , Chairman of GSL Medi. Coll. In Rajamundry, (A.P.)	Role of simulation in Medical Education
23/4/15	Dr. P. Jamjute M.S. MRCOG (Consultants Urogynacologist. NHSU U. K.)	Update in urogynaecology
2/5/15	Prof. Dr. D.K. Taneja M.S. (Ex Dean MGM Medical College, Indore	Orientation for Post Graduate residents towards becoming a good doctor
3/6/15	Dr. Anil Singhavi M.D. (Consultant hemotologist)	Recent advances in sickle cell disease treatment
11/6/15	Dr. Idris Khan M.D. D.M. (Consultant Cardiologist, Bombay Hospital, Indore	Recent advance in Cardiology
2/7/15	Dr. Niraj Jain M.D. D.M. (Consultant Gastro entrelogist, CHL Hospital)	Hepatitis-B an update

10/7/15	Dr. Sandeep saxena M.D. D.M. (Nephrologist, Apollo Hospital Indore)	Chronic kidney disease management an update
8/8/15	Prof. Dr. P.C. Manoria Director Manoria Heart Care & Intervention Center, Bhopal (M.P.)	ST Elevation Myocardial infarction
21/8/15	Prof. Dr. Saurabh Malviya M.D. (HOD- Rheumatology, Medanta Hospital, Indore)	“Arthritis – Myths & Pearls”
3/9/15	Dr. Prashant Bhartiya (corneal Transplant Surgery) M.D. (AIIMS) D.N.B., FRCS (U.K.)	“Current scenario in Corneal Surgery”
1/12/15	Dr. Piyush Gupta, Ohio, USA	Inner Healing
28/1/16	Dr. Bhagyesh Pore, Eye, Orbit, Oculoplasty & oncosurgeon; Shakuntla Netralaya, Indore	Orbit & Oculoplasty surgical overview
11/2/16	Dr. Prakash G. Chitalkar, Professor of Medical oncology, SAIMS, Indore	Hopeful Oncology- the emergence of young adult cancer medicine
18/2/16	Dr. Shrikant Fatak, HOD, ENT, Choithram Hospital, Indore	Human voice & voice disorders
9/8/16	B.K. Vika Bahen, Prajapita Bramhakumaris Ishwariya Vishwavidhyalaya	Spirituality and Health care

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
- a. Computer aided learning is used to teach animal experimentation as an additional technology to minimize animal injuries and sacrifices.
 - b. Adoption of a blended learning with a proper mixup of traditional face to face classroom with modern online teaching.
 - c. To fill the gap between the two levels of competencies viz., traditional university examinations and modernized pre-PG examinations, a combined approach is adopted during teaching.
 - d. On line teaching, MCQs and information up gradation programme is run on face book with a special focus to prepare the students for pre-PG examinations.
 - e. Special extra classes as well as problem solving sessions are designed for the slow learners

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? The analysis of the university result and feed back by the students and alumni is utilized for the monitoring of learning outcomes.
47. Highlight the participation of students and faculty in extension activities.
Students, staff and faculty are regularly participating in blood donation, plantation and swachhata abhiyan.
48. Give details of “beyond syllabus scholarly activities” of the department.
The department plays a key role in Pharmacovigilance program.
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: All the program of the department are recognized by MCI as per the standard norms
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Researches of the department are additive to the already existing knowledge of medical science.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

1. Students with better academic performance as are selected through a competitive examination.
2. Expert and experienced faculty in the department
3. Diversified academic exposure beyond narrow bounds of the university syllabus
4. Well equipped laboratories, Scientific evaluation committee, IAEC (Institutional Animal Ethics Committee) and a registered Institutional Ethics Committee (IEC) are available for the research projects.

Weaknesses:

1. Limitations imposed by rigid course structure and examination pattern by the apex body
2. College is at a long distance from the urban facilities
3. Department is having only one recognized PG seat sanctioned by the apex body (MCI)

Opportunities:

1. Increasing use of online resources supplements traditional teaching methods to prepare the students for the preparation of future competitive examinations.
2. Research activity is constantly maintained
3. Teaching supplementation by Computer assisted learning minimizes the injury to the animals.
4. Motivation of the budding doctors to facilitate their participation in National Pharmacovigilance Program of India

Challenges:

1. Effectively teaching to a heterogeneous group of students and getting them ready to face the future competitive examinations
2. Enhancing the competency level of the students to face day to day health problems of the community.

52. Future plans of the department:

- To Strengthen Research infrastructure to further promote research activities
- To tie ups with industries for Research and Consultancy
- To get registered as regional ADR Monitoring Centre. (AMC) with NCC (National Coordination Center, Gagiabad) for PvPI (Pharmacovigilance program of India)
- Development of online forum to strengthen the capability of students to face MCQs based competitive examinations for the selection in post graduates and super specialization course

DEPARTMENT OF PHYSIOLOGY

EVALUATIVE REPORT OF THE DEPARTMENT PHYSIOLOGY

1. Name of the Department : Physiology
2. Year of establishment : 2007
3. Is the Department part of a college/Faculty of the university?: Yes it is part of the college
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : UG(MBBS), PG (MD)
5. Interdisciplinary programs and departments involved: MBBS, MD, BDS, B.Sc. Nursing
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programs discontinued, if any, with reasons: Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Annual based credit system as per directives of the apex body (MCI)
9. Participation of the department in the courses offered by other departments: Integration of the teaching with various subjects of medical science
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filed
Professor	01	01
Associate Professor/Reader	02	01
Assistant Professor	03	02

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Manila Jain	MBBS,MD	Prof & HOD	Physiology	16
Dr. S.N.Bamne	MBBS,MD	Asso.Professor	Physiology	8
Dr. Abhilasha Dutta	MBBS,MD	Assist. Professor	Physiology	3
Dr. Abhishek Kumar	MBBS,MD	Assist. Professor	Physiology	2

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:
Nil
13. Percentage of classes taken by temporary faculty – program-wise information : Nil
14. Program-wise Student Teacher Ratio: MBBS-150: 4, MD -3:2
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: 04
16. Research thrust areas as recognized by major funding agencies : Not applicable
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : Nil
18. Inter-institutional collaborative projects and associated grants received
- a) National collaboration
 - b) International collaboration: Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil
20. Research facility / centre with
- a) state recognition
 - b) national recognition
 - c) international recognition
- Well equipped Departmental Research lab and central research Lab. Recognized by M.C.I., state and central government
 - Central animal house as per CPCSEA guidelines and IAEC (Institutional Animal Ethics Committee).
 - Scientific Evaluation committee to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
 - Institutional Ethics Committee (IEC), registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical aspects concerned with research projects.
 - Also the department has experimental, hematology, clinical and mammalian lab and a museum recognized by MCI.
21. Special research laboratories sponsored by / created by industry or corporate bodies: Not applicable
22. Publications:

DR. S N. BAMNE

1	Effect of pitch of sound on Auditory reaction time – A gender based study Bamne SN, Jadhav AV, Fadia AD. Indian journal PhysiolPharmacol 2015; 59 (3):350-354.
2	Estimation of stature from length of ulna in Maharashtrian population Bamne A, Bamne SN, Chourasia RS, Gohiya VK. International journal of Medical Science & Public health 2015; 4(1) 65 - 69.

3	Comparative study of hemodynamic profile in intraoperative period & side effects of epidural ropivacaine with clonidine & dexmedetomidine for lower limb surgeries. Bamne SN, Bamne SN, Bamne AS. International journal of Medical Science & Public health 2015 ; 4 (5) 624 – 629.
4	Effect of colour & Gender on human reaction time. Bamne SN, Fadia AD, Jadhav AV. Indian journal Physiol Pharmacol 2011; 55 (4): 388 – 389.
5	Comparative study of onset & total time required for sensory & motor blockade of epidural ropivacaine with clonidine & dexmedetomidine for lower limb surgeries. Bamne SN, Bamne SN, Bamne SN. International journal of Medical Science & Public health 2016; 5 (7) 1369-73.
6	Comparative study of chalkboard teaching over powerpoint teaching as a teaching tool in undergraduate medical teaching. Accepted for publication in international journal of Medical Science & public health. 2016; 5 (12).

DR. ABHILASHA DUTTA

1	Impaired fasting glucose & impaired glucose tolerance in the first degree relatives of patients with type 2 diabetes mellitus. Dutta A, Singh S, Sodhi C. International journal of medical & applied sciences volume 3, Issue 4, 2014. Pg- 219 -222
2	Clinical aspects of targeting oncogenes : Blocking Src kinases for cancer treatment. Goyalseema, GoyalNadish, Pramod John, DuttaAbhilasha . The clinical researcher. April 2010, volume 2 ; Number 1, Pg – 1 – 5
3	Correlating estrogen levels & cognitive functions in regularly menstruating females of reproductive age group & post menopausal women of north India Deeptikhattar, candy sodhi, John Parmod, AbhilashaDutta Journal of family & reproductive health volume 9, No2 , June 2015, pg - 83
4	Study of nerve conduction velocity in tibial nerve of healthy male & female of different age groups. Kumar A, Prasad A, Dutta A, Roohi F. International journal of recent scientific research Vol- 6, Issue 6, pp. 4477 – 4482. June 2015.

DR. ABHISHEK KUMAR

1	Study of nerve conduction velocity in median nerve of healthy male and female of different age groups. Abhishek Kumar, Roohi F, Anjali Prasad. International journal of recent scientific research vol . issue, 12 pg – 2250 – 2255, December 2014 issue no – 0976 – 3031
2	Study of nerve conduction velocity in tibial nerve of healthy male and female of different age group Kumar Abhishek, Prasad Anjali, DuttaAbhilasha, Roohi. F International journal of recent scientific research vol – 6, issue 6, pg – 4477 – 4482, June 2015 Issue no :- 0976 – 3031
3	Estimation of stature from head length in living adults in marathwada region of maharasta Anjali Prasad, VB Bhagwat , Abhishek Kumar, DS Joshi . International journal of recent scientific research vol – 5, issue 10.pg – 1745 – 1748, October, 2014. Issue : 0976 – 3031
4	Nerve conduction velocity in median nerve & Tibial nerve of healthy adult population with respect to gender. Abhishek Kumar, Anjali Prasad. Manuscript no. NJPPP- 2016- 04- 088. Accepted for publication in the national journal of Physiology Pharmacy & Pharmacology.

23. Details of patents and income generated: nil
24. Areas of consultancy and income generated : Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil
26. Faculty serving in
 - a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) Any other (specify)

Dr. S N Bamne: Life member of APPI
27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). **By Medical education training programme, seminar, group discussions, Journals club, CME, Guest lectures, Academic meet, research methodology workshop, Pharmacovigilance workshop.**
28. Student projects

- a) Percentage of students who have taken up in-house projects including inter-departmental projects :

All U.G. students are involved in departmental projects and PG students are required to write a thesis.

The projects completed by PG students are:

- Study of Nerve conduction in median and post, tibial nerve with respect to age and B.M.I: Dr. Abhishek Kumar
- A study of effect of high blood pressure on intraocular pressure in pre & post menopausal women: Dr. Shubhangi Mahashabde
- Comparative study of cardiovascular risk factors – hypertension and lipid abnormalities, in obese and non obese male medical students of medical college, indore: Dr. Mahendra Pratap Singh
- A cross sectional study to assess relation between physical fitness index and body mass index in medical students of index medical college Indore: Dr. Aveninder meet Nayyar
- Comparative study of the Pulmonary Function Test of the Cotton Mattress Workers of the age group 30-45 years with normal healthy subject of similar age in Indore City: Dr. Ashok Kumar Kalra
- Pulmonary Function Test in Asymptomatic smokers: Dr. Prashant Sharma

28. Awards / recognitions received at the national and international level by

- a) Faculty
b) Doctoral / post doctoral fellows

Students: Every year a number of students are getting distinction in MBBS examination conducted by Devi Ahilya University, Indore.

Distinctions received in Physiology in last 3 years:

2015	2014	2013
Suruchi Nigam Navnee Jain Ojaswini Yadav Ashita Jain Aditya Agrawal	Renu Saroha Rachana Kanwar	Anshuman Sharma Aparajita Angira Shah Karishma Makwane

29. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. : Nil
30. Code of ethics for research followed by the departments: Code of ethics followed are according to guidelines of Central Drugs Standard Control Organization, the ICMR , Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under guidance of Scientific Evaluation committee (SEC)& Institutional Ethics Committee (IEC) of the institution.
31. Student profile program-wise :Subject is the part of MBBS course. 150 U.G. Students and one PG student are selected through a competitive examination held by state government/ NEET/DMAT. For the details in concern with the process and student profile please refer criteria 2.1

Post graduate students profile:

Name of the program	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MD 2011	As per state government / DMAT	1	1	100	100
MD 2012		1	1	100	100
MD 2013		2	1	100	100

33. Diversity of students:

Name of the program (refer to question no. 4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
MD 2011			2(100%)	
MD 2012		1(50%)	1(50%)	
MD 2013		1(33%)	1(33%)	1(33%)

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.: Nil in the mentioned categories. However admission in Medical college is based on clearance of competitive examination conducted by Central or state government or DMAT.

35. Student progression :
Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	1 (25%)
from other universities within the State	0
from universities from other States	3(75%)
from universities outside the country	0

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

- a) Library: there is central library with a capacity of 460 and total books 15922 and journals 100-. The titles related to subject are 551.
- b) Internet facilities for staff and students: wi-fi facility is available at library premises. LAN & internet is available in the department.
- c) Total number of class rooms: Department shares the common class rooms of the institution, which are 5 in number as per MCI norms.
- d) Class rooms with ICT facility and 'smart' class rooms: All the class rooms are with ICT facility. Additionally department is having two demonstration room with a capacity of 85 each.
- e) Students' laboratories: three labs namely haematology, clinical physiology, experimental physiology, are for UG students and one research lab and mammalian laboratory for PG student. ED
- f) Research laboratories: There's one research lab in the

department and one central research lab for the research activities.

39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university: Nil
 - b) from other institutions/universities: Nil
40. Number of post graduate students getting financial assistance from the university: All Post graduates receive stipends as per the norms of state government.
41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology: MCI guidelines are followed to develop any new programme.
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback ? : frequent meeting of the departmental faculty is planned to provide and to analyze the feedback.
 - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ? The institution collects the student feedback and that is shared for the required improvement in teaching-learning evaluation.
 - c. Alumni and employers on the programs offered and how does the department utilize the feedback? Alumni also provide the feedback for the departmental activities in the same manner as for the students.
43. List the distinguished alumni of the department (maximum 10):
Student Alumni: Dr. Abhishek Kumar, ex-postgraduate is assistant professor in our own department.
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

S. No.	Date	Speaker	Topic
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S. No.	Date	Speaker	Topic
1.	24/2/15	Prof. Dr. Ganni Bhaskara Rao, Chairman of GSL Medi. Coll. In Rajamundry, (A.P.)	Role of simulation in Medical Education
2.	2/5/15	Prof. Dr. D.K. Taneja M.S. (Ex Dean MGM Medical College, Indore	Orientation for Post Graduate residents towards becoming a good doctor
3.	3/6/15	Dr. Anil Singhavi M.D. (Consultant hemotologist)	Recent advances in sickle cell disease treatment
4.	11/6/15	Dr. Idris Khan M.D. D.M. (Consultant Cardiologist, Bombay Hospital, Indore	Recent advance in Cardiology
5.	2/7/15	Dr. Niraj Jain M.D. D.M. (Consultant Gastroentriologist, CHL Hospital)	Hepatitis-B an update
6.	10/7/15	Dr. Sandeep saxena M.D. D.M. (Nephrologist, Apollo Hospital Indore)	Chronic kidney disease management an update
7.	8/8/15	Prof. Dr. P.C. Manoria Director Manoria Heart Care &Intervetion Center, Bhopal (M.P.)	ST Elevation Myocardial infarction
8.	21/8/15	Prof. Dr. SaurabhMalviya M.D. (HOD- Rheumatology, Medanta Hospital, Indore)	“Arthritis – Myths & Pearls”
9.	3/9/15	Dr. PrashantBhartiya (corneal Transplant Surgery) M.D. (AIIMS) D.N.B., FRCS (U.K.)	“Current scenario in Corneal Surgery”
10.	28/1/16	Dr.Bhagyesh Pore, Eye, Orbit, Oculoplasty & oncosurgeon; Shakuntla Netralaya, Indore	Orbit &Oculoplasty surgical overview
11.	11/2/16	DrPrakash G. Chitalkar, Professor of Medical oncology, SAIMS, Indore	Hopeful Oncology- the emergence of young adult cancer medicine
12.	18/2/16	Dr.Shrikant Phatak, HOD, ENT, Choithram Hospital, Indore	Human voice & voice disorders

S. No.	Date	Speaker	Topic
13.	9/8/16	B.K.Vika Bahen, Prajapita Bramhakumaries Ishwariya Vishwavidhyalaya	Spirituality and Health care

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
- Computer aided learning is used to teach animal experimentation as an additional technology to minimize animal injuries and sacrifices.
 - Adoption of a blended learning with a proper mix up of traditional face to face classroom with modern online teaching.
 - To fill the gap between the two levels of competencies viz., traditional university examinations and modernized pre-PG examinations, a combined approach is adopted during teaching.
 - Special extra classes as well as problem solving sessions are designed for the slow learners
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? The analysis of the university result and feed back by the students and alumni is utilized for the monitoring of learning outcomes.
47. Highlight the participation of students and faculty in extension activities.
Students, staff and faculty are regularly participating in blood donation, plantation and swachhata abhiyan.
48. Give details of “beyond syllabus scholarly activities” of the department.
Regular counseling of the students done by running a mentor-mentee program
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: All the program of the department are recognized by MCI as per the standard norms
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Researches of the department are additive to the already existing knowledge of medical science.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Interactive teaching for UG, PG & Faculties
- Students with better academic performance as are selected through a competitive exam.
- Expert and experienced faculty in the department
- Well equipped laboratories, Scientific evaluation committee, IAEC (Institutional Animal Ethics Committee) and a registered Institutional Ethics Committee (IEC), etc, are available for the research projects.

Weakness:

- Limitations imposed by rigid course structure and examination pattern by the apex body
- College is at a long distance from the urban facilities

Opportunities:

- Increasing use of **online resources to supplement traditional teaching methods.**
- To enhance the Research activity

Challenges:

- Effectively teaching to a heterogeneous group of students and getting them ready to face the future competitive examinations
- Enhancing the competency level of the students to face day to day health problems of the community by building a basic understanding of human Physiology.

52. Future Plans

- Development of online forum to strengthen the capability of students to face MCQs based competitive examinations for the selection in post graduation as well as super specialization course
- To Strengthen Research infrastructure to promote research activities

DEPARTMENT OF PSYCHIATRY

EVALUATIVE REPORT OF THE DEPARTMENT

1. Name of the Department : Psychiatry
2. Year of establishment : 2007
3. Is the Department part of a college/Faculty of the university?: Yes it is part of the college
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : UG(MBBS), PG (MD)
5. Interdisciplinary programs and departments involved: MBBS, MD
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programs discontinued, if any, with reasons: Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Annual based credit system as per directives of the apex body (MCI)
9. Participation of the department in the courses offered by other departments: Integration of the teaching with various subjects of medical science
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	01	01
Associate Professor/Reader	01	01
Assistant Professor	02	01
Senior Resident	01	04

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. M.K. Deshpande	M.D	Professor	Psychiatry	29
Dr. Pankaj Kr. Jain	M.D.	Associate Professor	Psychiatry	13
Dr. Rahul Valecha	M.D.	Assistant Professor	Psychiatry	3
Dr. Mahendra Bhadoriya	D.N.B.	Senior resident	Psychiatry	5
Dr. Manish Jain	D.P.M	Senior resident	Psychiatry	13
Dr. R.S. Ochani	MBBS	Senior resident	Psychiatry	9
Dr. Rajkumar Gallani	MBBS	Senior resident	Psychiatry	9

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:
Nil
13. Percentage of classes taken by temporary faculty – program-wise information : Nil
14. Program-wise Student Teacher Ratio: MBBS- 150: 7, MD -2:2
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: 07
16. Research thrust areas as recognized by major funding agencies : Not applicable
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : Nil
18. Inter-institutional collaborative projects and associated grants received

- a) National collaboration
 - b) International collaboration: Nil
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil
20. Research facility / centre with
- a) state recognition
 - b) national recognition
 - c) international recognition

Department share the following common facilities of the institute:

- Central research Lab. Recognized by M.C.I., state and central government
- Scientific Evaluation committee to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
- Institutional Ethics Committee (IEC), registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical aspects concerned with research projects.
- State of the art imaging facilities including a CT machine and an MRI machine.

Additional Facilities own by the department:

- Counseling rooms.
 - Research oriented special clinics like child guidance clinics, elderly clinic, family counseling clinic and awareness clinic for substance use disorder
21. Special research laboratories sponsored by / created by industry or corporate bodies: Not applicable
22. Publications:
Bhadoriya. M.S. Frequency and pattern of radiological and laboratory investigations in patients with mental illnesses; a study from North Rajasthan. Indian Journal of psychiatry. April-june 2016, vol. 58, no.2
23. Details of patents and income generated: nil

24. Areas of consultancy and income generated : Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil
26. Faculty serving in
- National committees
 - International committees
 - Editorial Boards
 - Any other (specify) : NIL
27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). **By Medical education training programme, seminar, group discussions, Journals club, CME, Guest lectures, Academic meet, research methodology workshop, Pharmacovigilance workshop.**
28. Student projects
Percentage of students who have taken up in-house projects including inter-departmental projects :
All U.G. students are involved in departmental projects and PG students are required to write a thesis.
- The ongoing projects by PG students are:
- A study of neurological, cognitive & behavioral domain in first degree relative in schizophrenia as candidate endophenotype- Dr. Prabhat Sharma
 - To study psychological stressors & psychiatric morbidities in Myocardial infarction patients- Dr. Umar Mushir
 - Evaluation of presence of Premenstrual syndrome & premenstrual dysphoric disorder in health professionals & its correlation with Major Depressive disorders.- Dr. Meenakshi Jain
 - A cross sectional study of general anxiety disorder and depressive disorder in patients suffering from pulmonary tuberculosis.- Dr. Rishabh Pratap Singh Yadav
29. Awards / recognitions received at the national and international level by
- Faculty -Nil
 - Doctoral / post doctoral fellows – Nil
 - Students -Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. Nil
31. Code of ethics for research followed by the departments: Code of ethics followed are according to guidelines of Central Drugs Standard Control Organization, the ICMR , Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under guidance of Scientific Evaluation committee (SEC) & Institutional Ethics Committee (IEC) of the institution.
32. Student profile program-wise : Subject is the part of MBBS course. 150 U.G. Students and one PG student are selected through a competitive examination held by state government/ NEET/DMAT. For the details in concern with the process and student profile please refer criteria 2.1

Post graduate students profile:

Name of the program	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MD 2014	As per state government / DMAT	2		First batch is yet to appear in exam.	
MD 2015		1	1		
MD 2016		1	1		

33. Diversity of students:

Name of the program (refer to question no. 4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
MD 2014		1 (50%)	1(50%)	
MD 2015		1 (50%)	1(50%)	
MD 2016		1 (50%)	1(50%)	

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details

category-wise.: Nil in the mentioned categories. However admission in Medical college is based on clearance of competitive examination conducted by Central or state government or DMAT.

35. Student progression :

Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	
from other universities within the State	1 (14%)
from universities from other States	5 (72%)
from universities outside the country	1 (14%)

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

- a) Library: there is central library with a capacity of 460 and total books 15922 and journals 100. The titles related to subject are 507. Additionally there's a departmental library with a sitting capacity of 12 and number of books 232
- b) Internet facilities for staff and students: wi-fi facility is available at library premises. LAN & internet is available in the department.
- c) Total number of class rooms: Department shares the common class rooms of the institution, which are 5 in number as per MCI norms.
- d) Class rooms with ICT facility and 'smart' class rooms: All the class rooms are with ICT facility.
- e) Research laboratories: Institutional central research lab for the research activities.

- f) 30 bedded in-patient wards with separate units for males and females.
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university: Nil
b) from other institutions/universities: Nil
40. Number of post graduate students getting financial assistance from the university: All Post graduates receive stipends as per the norms of state government.
41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology: MCI guidelines are followed to develop any new programme.
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback ? : Frequent meeting of the departmental faculty is planned to provide and to analyze the feedback.
- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ? The institution collects the student feedback and that is shared for the required improvement in teaching-learning evaluation.
- c. Alumni and employers on the programs offered and how does the department utilize the feedback ? Alumni also provide the feedback for the departmental activities in the same manner as for the students.
43. List the distinguished alumni of the department (maximum 10):
First batch of post graduates is yet to appear in the examination
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

S. No.	Date	Speaker	Topic
1.	24/2/15	Prof. Dr. Ganni Bhaskara Rao , Chairman of GSL Medi. Coll. In Rajamundry, (A.P.)	Role of simulation in Medical Education

S. No.	Date	Speaker	Topic
2.	2/5/15	Prof. Dr. D.K. Taneja M.S. (Ex Dean MGM Medical College, Indore)	Orientation for Post Graduate residents towards becoming a good doctor
3.	3/6/15	Dr. Anil Singhavi M.D. (Consultant hemotologist)	Recent advances in sickle cell disease treatment
4.	11/6/15	Dr. Idris Khan M.D. D.M. (Consultant Cardiologist, Bombay Hospital, Indore)	Recent advance in Cardiology
5.	2/7/15	Dr. Niraj Jain M.D. D.M. (Consultant Gastro entrelogist, CHL Hospital)	Hepatitis-B an update
6.	10/7/15	Dr. Sandeep saxena M.D. D.M. (Nephrologist, Apollo Hospital Indore)	Chronic kidney disease management an update
7.	8/8/15	Prof. Dr. P.C. Manoria Director Manoria Heart Care & Intervetion Center, Bhopal (M.P.)	ST Elevation Myocardial infarction
8.	21/8/15	Prof. Dr. Saurabh Malviya M.D. (HOD- Rheumatology, Medanta Hospital, Indore)	“Arthritis – Myths & Pearls”
9.	3/9/15	Dr. Prashant Bhartiya (corneal Transplant Surgery) M.D. (AIIMS) D.N.B., FRCS (U.K.)	“Current scenario in Corneal Surgery”
10.	28/1/16	Dr. Bhagyesh Pore, Eye, Orbit, Oculoplasty & oncosurgeon; Shakuntla Netralaya, Indore	Orbit & Oculoplasty surgical overview
11.	11/2/16	Dr. Prakash G. Chitalkar, Professor of Medical oncology, SAIMS, Indore	Hopeful Oncology- the emergence of young adult cancer medicine
12.	18/2/16	Dr. Shrikant Fatak, HOD, ENT, Choithram Hospital, Indore	Human voice & voice disorders
13.	9/8/16	B.K. Vika Bahen, Prajapita Bramhakumaries Ishwariya Vishwavidhyalaya	Spirituality and Health care

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
- Monthly evaluation of the progress through class test
 - Topic completion test
 - MCQs based evaluation
 - Seminars/journals club/ group discussion
 - Participation in local/state/national conferences/CMEs/workshop
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? The analysis of the university result and feed back by the students and alumni is utilized for the monitoring of learning outcomes.
47. Highlight the participation of students and faculty in extension activities.
Students, staff and faculty are regularly participating in blood donation, plantation and swachhata abhiyan.
48. Give details of “beyond syllabus scholarly activities” of the department.
The department plays a key role in psychiatry counselling of the students and staff.
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: All the program of the department are recognized by MCI as per the standard norms
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Researches of the department are additive to the already existing knowledge of medical science.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

1. The department is having a strong faculty base headed by eminent Psychiatrists
2. The department has the latest equipments used in treatment of psychiatric disorders like ECT and Bio-feedback machine.
3. The department has been successful in increasing the awareness of mental disorders amongst local population.

Weaknesses:

1. Non availability of rTMS (Repetitive transcranial Magnetic Stimulation) machine

Opportunities:

1. The department faculty and equipments are conducive to a whole spectrum of research projects.
2. The liaisons of the institute with various prestigious schools of the city provide a platform for sub-specialties like child & adolescent psychiatry to establish and flourish.

Challenges:

1. To increase the awareness of mental health disorders in the rural population around the institute where socio economic and educational status is poor.
2. To plan an early intervention of psychiatric illnesses most of which go undiagnosed.

52. Future Plans:

1. To establish a state of the art de-addiction centre in our hospital
2. Establish separate unit for Geriatric Psychiatry
3. Introduce rTMS technique for treatment of psychiatric disorders

DEPARTMENT OF PULMONARY MEDICINE
(TB & CHEST)

EVALUATIVE REPORT OF THE DEPARTMENT

1. Name of the Department : **TB & Chest (Pulmonary Medicine)**
2. Year of establishment : 2007
3. Is the Department part of a college/Faculty of the university?: Yes it is part of the college
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : UG(MBBS), PG (MD)
5. Interdisciplinary programs and departments involved: MBBS, MD, BDS, B.Sc. Nursing
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programs discontinued, if any, with reasons: Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Annual based credit system as per directives of the apex body (MCI)
9. Participation of the department in the courses offered by other departments: Integration of the teaching with various subjects of medical science
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	02	2
Associate Professor	01	-
Asst. Professors	03	2
Senior resident	02	03

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Vinay Mohan Tiwari	M.D.	Professor	TB & Chest	21
Dr. Kumar Girendra	M.D.	Professor	TB & Chest	15
Dr. Deepak Nagar	DTCD, DNB	Assistant Professor	TB & Chest	8
Dr. Abhijeet Khandelwal	DTCD, DNB	Assistant Professor	TB & Chest	6
Dr. Soubhagyamal Jain	DTCD	Senior resident	TB & Chest	12
Dr. Prafulla Dube	DTCD	Senior resident	TB & Chest	11
Dr. Nageen Jain	DTCD	Senior resident	TB & Chest	8

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:
Nil
13. Percentage of classes taken by temporary faculty – program-wise information : Nil
14. Program-wise Student Teacher Ratio: MBBS- **150:05.** , MD -**02:023**
15. Number of academic support staff (technical) and administrative staff:
10
16. Research thrust areas as recognized by major funding agencies : **Not applicable**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received

project-wise. : **Nil**

18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration
 - b) International collaboration: **Nil**
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : **Nil**
20. Research facility / centre with
 - Well equipped Pulmonary Function Test lab, RNTCP Sputum examination Lab and Sleep Study Lab
 - Facilities are available for regular interventional procedures like Bronchoscopy and thoracoscopy, NIV-BIPAP, Ventilator, Pulmonary Rehabilitation, Chest physiotherapy, Pleurodesis, Fibrinolysis and other interventional procedures
 - Scientific Evaluation committee to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
 - Institutional Ethics Committee (IEC), registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical
21. Special research laboratories sponsored by / created by industry or corporate bodies: Not applicable
22. Publications:

Text Books:

 - Text Books: Nil
 - Chapter in Books: Nil
 - Book/Journal edited : Nil

Paper Publication:

 - Study of anemia and its association with COPD in patients attending tertiary care hospital . Abhijeet Khandelwal, SandeepTilve, FatimaMamnoon, Prahlad. Prabhudesai ; American International journal of contemporary scientific research.

- Diffuse pulmonary hemorrhage in SLE, Dr. Abhijeet Khandelwal, a case report, NESCON (National conference of Environmental Science & Pulmonary diseases) 2013
 - Tubercular meningitis in Pregnancy, Dr. Abhijeet Khandelwal, a case report, ATS (American Thoracic Society) 2014
23. Details of patents and income generated: **nil**
24. Areas of consultancy and income generated : **Nil**
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: **Nil**
26. Faculty serving in
- a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) Any other (specify)
- Dr. Abhijeet Khandelwal:- Member of ICS (L-1603), ACCP (335766), & ERS
27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs
By Medical education training programs, seminar, group discussions, Journals club, CME, Guest lectures, Academic meet, and research methodology workshop.
28. Student projects:
- a) Percentage of students who have done in-house projects including inter departmental/programme : All PG students are required to write a thesis.
- Projects of PG, which are under process:
- Factors affecting TB treatment compliance in DOTS enrolled patients at a tertiary health centre: Dr. Bhajanlal Lilhare
 - Assessment of severity of COPD based on BODE Index & variation in serum growth hormone, serum calcium, vitamin-D & serum testosterone levels:
 - An Epidemiological Study of Predisposing Factors for Acute Asthma in Adults: Dr. Rothman PT
 - Factors responsible for reactivation and reinfection of tuberculosis for patients registered in RNTCP as retreatment

cases: Dr. Kedarnath Devangan

- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies : Nil
29. Awards / recognitions received at the national and international level by
- Faculty : Nil
 - Doctoral / post doctoral fellows: Nil
 - Students: Nil
30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. Nil
31. Code of ethics for research followed by the departments: Code of ethics followed are according to guidelines of Central Drugs Standard Control Organization, the ICMR , Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under guidance of Scientific Evaluation committee (SEC) & Institutional Ethics Committee (IEC) of the institution.
32. Student profile program-wise :Subject is the part of MBBS course. 150 U.G. Students and one PG student are selected through a competitive examination held by state government/ NEET/DMAT. For the details in concern with the process and student profile please refer criteria 2.1

Post graduate students profile:

Name of the program	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MD 2014	As per state government / DMAT	2	0	First batch is yet to appear in the exam.	
MD 2015		2	0		
MD 2016		2	0		

33. Diversity of students:

Name of the program (refer to question no. 4)	% of students from the same	% of students from other universities	% of students from universities	% of students from other countries

	university	within the state	outside the state	
MD 2014			2 (100%)	
MD 2015		1(50%)	1(50%)	
MD 2016	2(100%)			

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.: Nil in the mentioned categories. However admission in Medical college is based on clearance of competitive examination conducted by Central or state government or DMAT.

35. Student progression:

Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	3 (43%)
from other universities within the State	
from universities from other States	4 (57%)
from universities outside the country	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

- a) **Library:** There is central library with a capacity of 460 and total books 15670 and journals 100. The titles related to subject are 122.
Additionally there's a departmental library with a sitting capacity of **15** and number of books -**100**
- b) Internet facilities for Staff & Students: Available in hospital and Library
- c) Total number of class rooms: Department shares the common class rooms of the institution, which are 5 in number as per

- MCI norms.
- d) Class rooms with ICT facility: All the class rooms are with ICT facility.
 - e) **Laboratories: special labs for RNTCP Sputum examination, Sleep study and PFT**
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university: Nil
 - b) from other institutions/universities: Nil
40. Number of post graduate students getting financial assistance from the university: All Post graduates receive stipends as per the norms of state government.
41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology: MCI guidelines are followed to develop any new program.
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback ? : frequent meeting of the departmental faculty is planned to provide and to analyze the feedback.
 - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ? The institution collects the student feedback and that is shared for the required improvement in teaching-learning evaluation.
 - c. Alumni and employers on the programs offered and how does the department utilize the feedback ? Alumni also provide the feedback for the departmental activities in the same manner as for the students.
43. List the distinguished alumni of the department (maximum 10):
Student Alumni:
The first batch of the P.G. students is yet to appear in the examination.
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts

Date	Speaker	Topic
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Date	Speaker	Topic
21/2/15	Prof. Dr. D.K. Taneja M.S. (formerly Dean & Prof. Emeritus Orthopedics MGM Medical College, Indore)	Direction for post graduation resident
24/2/15	Prof. Dr. GanniBhaskaraRao (President of all India Private Medical College Association & Chairman of GSL Medi. Coll. In Rajamundry, (A.P.)	Role of simulation in Medical Education
23/4/15	Dr. P. Jamjute M.S. MRCOG (Consultants Urogynacologist. NHSU U. K.)	Update in urogynaecology
2/5/15	Prof. Dr. D.K. Taneja M.S. (formerly Dean & Prof. Emeritus Orthopedics MGM Medical College, Indore)	Orientation for Post Graduate residents towards becoming a good doctor
11/5/15	Prof. Dr. B.R. Parekh MCh (formerly Prof. & Head Dept. of Paediatric Surgery MGM Medical College, Indore)	Spectrum of Pediatric surgical disorders
3/6/15	Dr. Anil Singhavi M.D. (Consultant Haematologist)	Recent advances in sickle cell disease treatment
11/6/15	Dr. Idris Khan M.D. D.M. (Consultant Cardiologist, Bombay Hospital, Indore)	Recent advance in Cardiology
18/6/15	Dr. Rajneesh Kachhara M.S. M.Ch, Director Institute of NeuroSciences, Medanta Super Specialty Hospital, Indore	Success stories of surgical treatment of brain tumors
2/7/15	Dr. Niraj Jain M.D. D.M. (Consultant Gastroenterologist, CHL Hospital)	Hepatitis-B an update
10/7/15	Dr. Sandeep Saxena M.D. D.M. (Nephrologist, Apollo Hospital Indore)	Chronic kidney disease management an update
23/7/15	Prof. Dr. Brajendra Baser M.S., AIIMS (E.N.T. Consultant)	Current trends in ENT practice
8/8/15	Prof. Dr. P.C. Manoria Director Manoria Heart Care & Intervention Center, Bhopal (M.P.)	ST Elevation Myocardial infarction
21/8/15	Prof. Dr. Saurabh Malviya M.D. (HOD-Dept. of Rheumatology, Medanta Hospital, Indore)	“Arthritis – Myths & Pearls”

Date	Speaker	Topic
3/9/15	Dr. Prashant Bhartiya (corneal Transplant Surgery) M.D. (AIIMS) D.N.B., FRCS (U.K.)	“Current scenario in Corneal Surgery”
28/1/16	Dr. Bhagyesh Pore, Eye, Orbit, Oculoplasty & oncosurgeon; Shakuntla Netralaya, Indore	Orbit & Oculoplasty surgical overview
11/2/16	Dr. Prakash G. Chitalkar, Professor of Medical oncology, SAIMS, Indore	Hopeful Oncology- the emergence of young adult cancer medicine
18/2/16	Dr. Shrikant Phatak, HOD, ENT, Choithram Hospital, Indore	Human voice & voice disorders

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
 - Seminars/journals club/ group discussion
 - Participation in local/state/national conferences/CMEs/workshop
 - Integrated teaching with other departments and guest speakers.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? The analysis of the university result and feed back by the students and alumni is utilized for the monitoring of learning outcomes.

47. Highlight the participation of students and faculty in extension activities.
Students, staff and faculty are regularly participating in blood donation, plantation and swachhata abhiyan.

48. Give details of “beyond syllabus scholarly activities” of the department.
The department plays a key role in RNTCP & DOTS

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: All the program of the department are recognized by MCI as per the standard norms

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Researches of the department are additive to the already existing knowledge of medical science.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Regular interventional procedures like Bronchoscopy and thoracoscopy
- NIV-BIPAP facility
- Ventilator facilities
- PFT
- Sleep Study
- Pulmonary Rehabilitation
- Chest physiotherapy
- Pleurodesis, Fibrinolysis and other interventional procedures

Weaknesses:

- DLCO & Body Plethysmography are not available in the department.
- Few molecular investigations like Gene expert, LPA , Skin precipitation test for Aspergillus, etc are not available in the central Laboratory

Opportunities:

- Postgraduates are well trained to perform
 - Bronchoscopy
 - Thoracoscopy
 - Other interventional procedures like ICD insertion, Pleurodesis
 - PFT
 - Sleep Study
 - NIV-BIPAP & Mechanical Ventilator settings

So that they are fully confident in performing all procedures in super specialty hospitals and the corporate world.

Challenges:

- Constant improvement in the department by overcoming the limitations.
- Getting financial grants from national governmental bodies as well as the industry

52. **Future Plans:**

- Continuing enhancement of the research projects by procuring the recent additional technology.

- To organize regular CMEs and Workshops related to Pulmonary Medicine.

DEPARTMENT OF RADIODIAGNOSIS

EVALUATIVE REPORT OF THE DEPARTMENT

1. Name of the Department : Radio-Diagnosis
2. Year of establishment : 2007
3. Is the Department part of a college/Faculty of the university?: Yes it is part of the college
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : **UG(MBBS), PG (MD)**
5. Interdisciplinary programs and departments involved: MBBS, MD, BDS, B.Sc. Nursing
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
7. Details of programs discontinued, if any, with reasons: **Nil**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Annual based credit system as per directives of the apex body (MCI)
9. Participation of the department in the courses offered by other departments: Integration of the teaching with various subjects of medical science
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	02	02
Associate Professor	04	04
Asst. Professors	02	01
Senior Resident	05	05

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Sr No	Name	Qualification	Designation	Specialization	No. of Years of Experience
1	Dr. Pramod Sakhi	M.D.	Professor	Radiology	14
2	Dr. Romesh Nargotra	M.D.	Professor	Radiology	32
3	Dr Mahesh Verma	M.D.	Asso Professor	Radio diagnosis	12
4	Dr. Amlendu Nagar	M.D.	Asso Professor	Radio diagnosis	10
5	Dr. KumudJulka	M.D.	Asso Professor	Radio diagnosis	9
6	Dr. Sheetal Singh	M.D.	Asso Professor	Radio diagnosis	7
7	DrAnup Gupta	M.D.	Asst Professor	Radio diagnosis	6
8	Dr.Deepanshi Agrwal	DNB	Senior resident	Radio diagnosis	3
9	Dr.Santosh Gandhi	DMRD	Senior resident	Radio diagnosis	8
10	Dr.Ravindra Singh	DMRD	Senior resident	Radio diagnosis	8
11	Dr.Prafulla Saxena	DMRD	Senior resident	Radio diagnosis	6
12	Dr.Gurudeep singh Chhabra	DNB	Senior resident	Radio diagnosis	5

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:
Nil

13. Percentage of classes taken by temporary faculty – program-wise information : Nil

14. Program-wise Student Teacher Ratio: MBBS – **150:12**, MD – **03:06**

15. Number of academic support staff (technical) and administrative staff

S. No.	Name	Designation
1	Hemant Choudhari	Radiographic technician
2	Mahesh Chaudhari	Radiographic technician
3	Nitesh Chauhan	Radiographic technician
4	Prafulla Uke	Radiographic technician
5	Reena Bhabhar	Radiographic technician
6	Said khan	Radiographic technician
7	Durga Singh Nagar	Radiographic technician
8	Praveen Patel	Radiographic technician
9	Rahul Bamnia	Store keeper
10	Rani Nodia	Steno typist
11	Anju Belde	Computer operator
12	Rekha Parmar	Record clerk
13	Vinod Chaudhary	Dark room assistant
14	Saryukant Rawat	Dark room assistant
15	Ashish Bhadoria	Dark room assistant
16	Atul Sharma	Dark room assistant
17	Krishna Kant Patel	In charge radiation protection

16. Research thrust areas as recognized by major funding agencies : **Not applicable.**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. :

The research projects of the department are:

- Comparison of multi-phasic CT scan of abdomen with surgical findings in Mesenteric ischemia
- Comparative evaluation of lower limb ischemia by CT angio and colour Doppler
- Sonography correlation of cervical lymphadenopathy with histopathological correlation

These projects are in process and additional to PG projects listed

with point 28. These projects are being funded by the institute. No grants has been received so far.

18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration
 - b) International collaboration: **Nil**
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : **Nil**
20. Research facility / centre with
 - a) state recognition
 - b) national recognition
 - c) international recognition

The institution has:

- Well equipped central research Lab. Recognized by M.C.I.
- Central animal house as per CPCSEA guidelines and IAEC (Institutional Animal Ethics Committee).
- Scientific Evaluation committee to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
- Institutional Ethics Committee (IEC), registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical aspects concerned with research projects.

21. Special research laboratories sponsored by / created by industry or corporate bodies: Not applicable

22. Publications:

Dr. Pramod Sakhi: Contributed pictures in text book of Wiley ,Chapter-Eye in Systemic Disorders , Section II -Pulmonary Systemic Disorder. (APRIL 2015)

Paper Publication:

1	“Anatomical Variations of Para Nasal Sinuses in Central India in INDIAN RESEARCH COMMUNICATION. (ISSN 09739661) Dr. PramodSakhi, Dr. Kailash Patel, Dr. AbhijeetTaori, Dr.
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	KaushalendraSoni, SandeepDhruw and PrassanaYadav.
2	“Prospective study of chronic alcoholics in relation to neurological disorders. in INDIAN REASEARCH COMMUNICATION. (ISSN 09739661) Dr. PrassanaYadav. Dr. MahendraTilkar, Dr. PramodSakhi, and Dr. R.K. Jha.
3	MUCOCELES OF THE APPENDIX-A RETROSPECTIVE STUDY FROM A TERTIARY GEALTH CARE CENTRE. 2012 Month : December JOURNAL OF EVOLUTION OF MEDICAL AND DENTAL. eISSN – 2278-4802 PISSN, 2278-4748. Kamal Malukani, ShirishNandedkar, GauravMalpani, AparnaKhandelwal, PramodSakhiPrasann Kumar Bandi.
4	Role of obstetric Doppler in Prediction of adverse Perinatal Outcome in Intrauterine Growth. Dr Retardation and Pregnancy Induced Hypertension. Pramod Sakhi .Divangi Mishra , K Patel Scholars Journal of Applied Medical Science (SJAMS) ISSN 2320-6691 (Online)Sch. J. App. Med. Sci., 2013; 1(6):1016-1020.
5	Uterine Artery Embolisation as Primary Therapy for the Treatment of Symptomatic Uterine Fibroids Dr. Kailash Patel, Dr. PramodSakhi, Dr. KaushalendraSoni, Dr. AbhijeetTaori, Dr. AartiKaul Patel. Scholars Journal of Applied Medical Sciences, ISSN 2320-6691 (Online) 2013; 1(6): 873-877.
6	SUPERIOR MESENTERIC ARTERY SYNDROME- A REVIEW Aneeta Datey ¹ , Sanjay Datey ² , Pramod Saki ³ , Vaibhav Ingle ⁴ , Ankur Kumbhkar JOURNAL OF EVOLUTION OF MEDICAL AND DENTAL. February 2014 Volume: Volume: Vol3Issue: Issue 6 Page: 1426-1433, e ISSN – 2278-4802, DISSN – 2278-4748.
7	IVABRADINE: A NOVEL DRUG TO CONTROL HEART OF PATIENTS UNDERGOING CT CORONARY ANGIOGRAPHY Scholars Journal of Applied Medical Sciences (SJAMS) Dr. Narendra Patel, Dr. PramodSakhi, Dr. Sonali Jain, Dr. Siddhant Jain, Dr. Kailash Patel, Dr. Kaushlendra Soni ISSN 2320-6691 (Online)Sch. J. App. Med.Sci.,2014;2(1B):-171-175.
8	Dual ectopic thyroid: a rare entity, case report with review of literature easily diagnosed on MDCT Dr. KaushalendraSoni, Dr. Divyangimishra, Dr. PramodSakhi, Dr. Kailash Patel. Department of Radiolodiagnosis, ShriAurobindo Medical College and PG Institute, Indore, India. Scholars Journal of Applied Medical Sciences (SJAMS) ISSN 2347-6559 (Online) Sch. J. App. Med.Sci., 2014;2(2):- 114-117.
9	Xanthogranulomatous pyelonephritis masquerading as a tumor in an infant Nandedkar SS (1), Malukani K (1), Sakhi P (2). Indian journal 2014 july 30 (3): 356-6, doi: 10.4103/0970-1591.134238.

10	Histomorphological review of Alveolar Rhabdomyosarcoma vis-à-vis other small cell tumors in Children: SK Nema, Honey Bhasker, PawanBhambani, HS Sharma, KumudJulka Australian Medical Journal 2013, http://amj.net.au
11	Role of Diffusion weighted MRI in differentiating typical from atypical meningiomas at 1.5 & 3 T, Accepted by The Egyptian Journal of Radiology & Nuclear Medicine on 11 Apr 2013; Dr. Anup Gupta.
12	Pseudolesion in patient with superior vena cava syndrome; accepted in Indian Journal of Gastroenterology with reference no. Ms. No. IJOG-D-11-00282. Dr. Anup Gupta
13	Radiological Diagnosis and Approach: Glomus Tumour at Finger Tip Taori A, Sakhi P, Malukani K, Patel K, NJR I VOL 4 I No. 1 I ISSUE 6 I Jan-June, 2014.
14	Rare Case of Conjoined Twins: Pictorial Essay Sakhi P, Taori A, Patel K, Singh S, NJR I VOL 4 I No. 1 I ISSUE 6 I Jan-June, 2014.
15	Asian Journal of Neurosurgery Year : 2015 Volume : 10 Issue : 2 Page : 142-144 Cerebral phaeohyphomycosis: A rare case from central Shirish Nandedkar , Trupti Bajpai, Ganesh S Bhatambare, Pramod Sakhi
16	Role of High Resolution Sonography in Characterization of Solid Salivary Gland Tumors Journal of Evolution of Med and Dent Science: Sheetal Singh, Amlendu Nagar, Pramod Sakhi, Sachin Kataria, Kumud Julka, Anup Gupta. Vol. 4/ Issue 39/ May 14, 2015
17	Scholars Journal of Applied Medical Sciences (SJAMS) ISSN 2320-6691 (Online) Sch. J. App. Med. Sci., 2015; 3(2A):568-573 ISSN 2347-954X (Print) www.saspublisher.com Research Article Role of High Resolution Sonography in Differentiating Benign and Malignant Nodules of Thyroid Sheetal Singh, KumudJulka*, PramodSakhi, AshishChaturvedi.
18	Scholars Journal of Applied Medical Sciences (SJAMS) ISSN 2320-6691 (Online) Sch. J. App. Med. Sci., 2015; 3(3F):1422-1425 ISSN 2347-954X (Print) www.saspublisher.com Research Article Evaluation of Morbidity and Mortality Associated with Atrial Fibrillation Prasanna Yadav1* , PramodSakhi M.D2 , Rekha Gupta3
19	Scholars Journal of Applied Medical Sciences (SJAMS) ISSN 2320-6691 (Online) Sch. J. App. Med. Sci., 2015; 3(3A):1069-1073 ISSN 2347-954X (Print) www.saspublisher.com Research Article Differentiation of Benign Breast Lesions by Ultra Sonography to Defer Biopsy Amlendu Nagar* , Sheetal Singh, PramodSakhi, Vineet Kumar.
20	International Journal of Medical Science Research and Practice Comparison of effect of yoga on fasting blood sugar level, lipid profile

	and blood pressure in diabetes patient with addiction and without addiction Print ISSN: 2349-3178 Online ISSN: 2349-3186 99 • Vol 2 • Issue 1 • 2015 Suman Rai ¹ , Kumud Julka ² , Rajveer Singh Chaorasia ³ .
21	International journal of medical and applied sciences. E-ISSN:2320-3137 ULTRA SONOGRAPHIC EVALUATION OF VAGINAL BLEEDING IN FIRST TRIMESTER OF PREGNANCY: Julka K1, RAI S* 2 Volume 4, Issue 1, 2015.
22	INTERNATIONAL JOURNAL OF EDICAL SCIENCE REASERCH AND PRACTICE: Print ISSN: 2349-3178 Online ISSN:2349-3186 Renal Angiomyolipoma A case Report 2014 Internation Journal of medical science Research and Practice available on www.ijmsrp.com Sharma M1, Nema SK2, Singh A3, Khanam B4, Julka K5.

23. Details of patents and income generated: **nil**
24. Areas of consultancy and income generated : **Nil**
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: **Nil**
26. Faculty serving in
- a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) Any other (specify)

S. No.	Name of faculty	Professional/ Academic bodies
1	Dr Amlendu Nagar	Indian Radiological and Imaging Association (M.P. state) President 2012-13
2	Dr Amlendu Nagar	IRIA M.P. state Secretary 2008-10
3	Dr Pramod Sakhi	IRIA, Indore chapter Secretary 2015-17

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs :
By Medical education training programs, seminar, group discussions, Journals club, CME, Guest lectures, Academic meet, and research methodology workshop.

28. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme : All PG students are required to write a thesis.

Projects of P.G., which are under process:

S. No.	Project	PG Student	Guide
1	CT evaluation of Chronic Rhino-sinusitis	Dr. Ashish Chaturvedi	Dr. PramodSakhi
2	CT evaluation of Neck Masses	Dr. Sachin Kataria	Dr. R.C. Nargotra
3	Evaluation of single shot unenhanced CT Scan study of non traumatic acute abdomen and its comprasion with ultra sonography	Dr. Vineet Kumar	Dr. PramodSakhi
4	Role of Multidetector Tomography in diagnosis of Salivary Gland Pathology and it's Histopathological correlation	Dr. Itesh Bhardwaj	Dr. Amlendu Nagar
5	Foetal aortic isthmus Doppler measurement in Intrauterine Growth Retardation and in High risk Pregnancies	Dr. Anju Dhiman	Dr. Pramod Sakhi
6	Role of non-enhanced multidetector coronary artery calcium scoring in asymptomatic high risk individuals and symptomatic individuals	Dr. Vishal Mulchandani	Dr. Pramod Sakhi

- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies : Nil

29. Awards / recognitions received at the national and international level by :

- Faculty : Nil

- Doctoral / post doctoral fellows: Nil
 - Students: Nil
30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.
Nil
31. Code of ethics for research followed by the departments: Code of ethics followed are according to guidelines of Central Drugs Standard Control Organization, the ICMR , Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under guidance of Scientific Evaluation committee (SEC) & Institutional Ethics Committee (IEC) of the institution.
32. Student profile program-wise : Subject is the part of MBBS course. 150 U.G. Students and one PG student are selected through a competitive examination held by state government/ NEET/DMAT. For the details in concern with the process and student profile please refer criteria 2.1

Post graduate students profile:

Name of the program	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MD 2014	As per state government / DMAT	3		First batch is yet to appear in the exam.	
MD 2015		2	1		
MD 2016		3			

33. Diversity of students:

Name of the program (refer to question no. 4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
MD 2014			3 (100%)	
MD 2015			2 (67%)	1(33%)
MD 2016	1(33%)	1(33%)	1(33%)	

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise : NA

35. Student progression :
Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	5 (42%)
from other universities within the State	3 (25%)
from universities from other States	4 (33%)
from universities outside the country	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

- a) Library: there is central library with a capacity of 460 and total books 15922 and journals 100-. The titles related to subject are 551.
- b) Internet facilities for staff and students: wi-fi facility is available at library premises. LAN & internet is available in the department.
- c) Total number of class rooms: Department shares the common class rooms of the institution, which are 5 in number as per MCI norms.
- d) Class rooms with ICT facility and 'smart' class rooms: All the class rooms are with ICT facility.
- e) Students' laboratories: There are radiology labs with state of art equipment such as MRI, 128 slice CT Scan, 3D / 4D ultra sonography machine, digital mammography IITV, DSA,

Syngovia work station and Digital x ray. There is also a museum.

- f) Research laboratories: The central research lab of the institute is available for the research activities.
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university: Nil
 - b) from other institutions/universities: Nil
40. Number of post graduate students getting financial assistance from the university: All Post graduates receive stipends as per the norms of state government.
41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology: MCI guidelines are followed to develop any new programme.
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Frequent meeting of the departmental faculty is planned to provide and to analyze the feedback.
 - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ? The institution collects the student feedback and that is shared for the required improvement in teaching-learning evaluation.
 - c. Alumni and employers on the programs offered and how does the department utilize the feedback ? Alumni also provide the feedback for the departmental activities in the same manner as for the students.
43. List the distinguished alumni of the department (maximum 10): the first batch of the P.G. students is yet to appear in the examination.
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Date	Speaker	Topic
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Date	Speaker	Topic
21/2/15	Prof. Dr. D.K. Taneja M.S. (formerly Dean & Prof. Emeritus Orthopedics MGM Medical College, Indore)	Direction for post graduation resident
24/2/15	Prof. Dr. Ganni Bhaskara Rao (President of all India Private Medical College Association & Chairman of GSL Medi. Coll. In Rajamundry, (A.P.)	Role of simulation in Medical Education
23/4/15	Dr. P. Jamjute M.S. MRCOG (Consultants Urogynacologist. NHSU U. K.)	Update in urogynaecology
2/5/15	Prof. Dr. D.K. Taneja M.S. (formerly Dean & Prof. Emeritus Orthopedics MGM Medical College, Indore)	Orientation for Post Graduate residents towards becoming a good doctor
11/5/15	Prof. Dr. B.R. Parekh MCh (formerly Prof. & Head Dept. of Paediatric Surgery MGM Medical College, Indore)	Spectrum of Pediatric surgical disorders
3/6/15	Dr. Anil Singhavi M.D. (Consultant Haematologist)	Recent advances in sickle cell disease treatment
11/6/15	Dr. Idris Khan M.D. D.M. (Consultant Cardiologist, Bombay Hospital, Indore)	Recent advance in Cardiology
18/6/15	Dr. Rajneesh Kachara M.S. M.Ch, Director institute of neuro sciences madanta super specialty Hospital Indore	Success stories of surgical treatment of brain tumors
2/7/15	Dr. Niraj Jain M.D. D.M. (Consultant Gastro entrelogist, CHL Hospital)	Hepatitis-B an update
10/7/15	Dr. Sandeepsaxena M.D. D.M. (Nephrologist, Apollo Hospital Indore)	Chronic kidney disease management an update
23/7/15	Prof. Dr. Brajendra Baser M.S., AIIMS (E.N.T. Consultant)	Current trends in ENT practice
8/8/15	Prof. Dr. P.C. Manoria Director	ST Elevation Myocardial

Date	Speaker	Topic
	Manoria Heart Care & Intervention Center, Bhopal (M.P.)	infarction
21/8/15	Prof. Dr. Saurabh Malviya M.D. (HOD-Dept. of Rheumatology, Medanta Hospital, Indore)	“Arthritis – Myths & Pearls”
3/9/15	Dr. Prashant Bhartiya (corneal Transplant Surgery) M.D. (AIIMS) D.N.B., FRCS (U.K.)	“Current scenario in Corneal Surgery”
28/1/16	Dr. Bhagyesh Pore, Eye, Orbit, Oculoplasty & oncosurgeon; Shakuntla Netralaya, Indore	Orbit & Oculoplasty surgical overview
11/2/16	Dr. Prakash G. Chitalkar, Professor of Medical oncology, SAIMS, Indore	Hopeful Oncology- the emergence of young adult cancer medicine
18/2/16	Dr. Shrikant Phatak, HOD, ENT, Choithram Hospital, Indore	Human voice & voice disorders

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
- Seminars/journals club/ group discussion /web based seminars /film reading section/ case of day/YOU tube
 - Participation in local/state/National Conferences/CMEs/workshop
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?
The analysis of the university result and feed back by the students and alumni is utilized for the monitoring of learning outcomes.
47. Highlight the participation of students and faculty in extension activities.
Students, staff and faculty are regularly participating in blood donation, plantation and swachhata abhiyan.
48. Give details of “beyond syllabus scholarly activities” of the department.
Nil
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: All the program of the department are recognized by MCI as per the standard norms

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Researches of the department are additive to the already existing knowledge of medical science.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Availability of state of art equipment such as MRI, 128 slice CT Scan, 3D / 4D ultra sonography machine, digital mammography IITV, DSA, Syngovia work station and Digital x ray
- Availability of a battery of highly experienced, motivated and devoted faculty and staff.
- Research oriented environment in the department

Weaknesses:

- Non-availability of PACS (Picture Archiving and Communication System), PET scan, and radionuclide.

Opportunity:

- Post graduates are trained to handle imaging equipments of high caliber so that they are fully conversant with the functioning of such machine in super specialty hospitals and the corporate world.

Challenges:

- Overcoming the communication barrier
- Getting financial grants for the purchase of PACS, PET scan and radionuclide.

52. Future plans of the department:

Continuing enhancement of the research projects by procuring the recent additional technology & equipments.

**DEPARTMENT OF SKIN AND VENEREAL
DISEASE**

EVALUATIVE REPORT OF THE DEPARTMENT OF SKIN & V.D.

1. Name of the Department :Skin & V.D.
2. Year of establishment : 2007
3. Is the Department part of a college/Faculty of the university?: Yes it is part of the college
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : UG(MBBS), PG (MD)
5. Interdisciplinary programs and departments involved: MBBS, MD, BDS, B.Sc. Nursing
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programs discontinued, if any, with reasons: Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Annual based credit system as per directives of the apex body (MCI)
9. Participation of the department in the courses offered by other departments: Integration of the teaching with various subjects of medical science
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	02	01
Associate Professor/Reader	01	01
Assistant Professor	03	02
Senior Resident	02	03

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr.(Brig.)Sanjeev Vaishampayam	M.D.	Professor	Skin & VD	23
Dr. Parikshit Sharma	M.D.	Asso. Professor	Skin & VD	11
Dr. Akhil Shah	M.D.	Assistant Professor	Skin & VD	6
Dr. Surendra Singh Bhati	M.D.	Asst. Professor	Skin & VD	4
Dr.Sunil Nayak	MBBS	Senior Resident	Skin & VD	10
Dr.Ashok Gulani	MBBS	Senior Resident	Skin & VD	9
Dr.Suresh Babu Goindani	MBBS	Senior Resident	Skin & VD	8

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:
Nil
13. Percentage of classes taken by temporary faculty – program-wise information : Nil
14. Program-wise Student Teacher Ratio: MBBS (150:7), MD -2:2
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: 07
16. Research thrust areas as recognized by major funding agencies : Not applicable
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : Nil

18. Inter-institutional collaborative projects and associated grants received
- a) National collaboration
 - b) International collaboration: Nil
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil
20. Research facility / centre with
- a) state recognition
 - b) national recognition
 - c) international recognition

Department shares the following research facility of the institute:

- Central research Lab. Recognized by M.C.I., state and central government
- Scientific Evaluation committee to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
- Institutional Ethics Committee (IEC), registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical aspects concerned with research projects.

21. Special research laboratories sponsored by / created by industry or corporate bodies: Not applicable
22. Publications:

S. No.	Name of Publication
1	Endocrinological Evaluation of Melasma in Females of Western Uttar Pradesh Region. AukaJaihind Reddy, Priyank Kumar, SankerRangoraSawant, S.K. Jain. International Journal of Scientific Study, Sep 2014 Vol. 2 Issue 6.
2	Problem Solving ability in Relation To Low Birth Weight among Children Dr. V. Sudhakar Babu , Dr. K. Chandraiah International Journal of psychosocial Research (IJPSR), July 2013, Vol. 2 (1)
3	PROBLEM SOLVING ABILITY AND SOCIAL COMPETENCE IN

S. No.	Name of Publication
	RELATION TO LOW BIRTH WEIGHT AMONG CHILDREN Dr. V.Sudhakar Babu and Dr. K. Chandraiah International Journal of Psychosocial Research (IJPSR), December, 2013, Vo. 2(2)
4	SOCIAL COMPETENCE IN RELATION TO LOW BIRTH WEIGHT AMONG CHILDREN Dr. V. Sudhakar Babu and Dr. K. Chandraiah International Journal of Psychosocial Research (IJPSR), December, 2012, Vo.1(2)
5	Response to narrow_band UVB-vitiligo-melasma versus vitiligo: a comparative study, Sharma P, Pai HS, Pai GS, Kuruvila M, Kolar Ram J ClinDermatol. 2011 Apr 1; 12(2):127-32
6	Extensive Condy-Loma LataSrivastava S.N, Singh G British J of Venereal Disease 53(1):23, 2010.
7	Attempted suicide or homicide: skin reveals a clue Pai HS, Parikshit S, Pai GS Int j Dermatol. Jul 2010;48(7):786-7.
8	Furuculamyiasis mimicking pyoderma Sharma P, Pai HS, Pai GS Indian J Dermatol Venereol Leprol. Nov-Dec 2011; 74(6):679-81
9	J Euracad Dermatol Venereol 2011 May; 22(5):634-5. Doi:10.1111/j.1468-3083.02421.x. Nevus depigmentosus affecting the iris and skin: a case report Sharma P, Pai HS, Kamath MM
10	Tap water Iontophoresis in the treatment of Palmar Plantar Hyperhidrosis Srivastava S.N, Singh G. British J. of Dermatology 96:189, 2011
11	Nerve conduction studies in early tuberculoid leprosy.Indian Dermatology Online Journal 2014 Dec:5(suppl)571-575 Deepak Vashishth, Sanjeev S Vaishampayan.
12	Pattern of Chill blains in a high altitude region of Ladakh ,India. MJAFI 2013 Vol 7 Issue 3 P265-269. GK Singh ,Sanjeev S Vaishampayan , R. Grewal.
13	An unusual presentation of sporotrichosis IJD 2013 Sept -Oct ,58/5/ ; 409 Sanjeev S Vaishampayan, P.Borde.
14	Unusual case of Saxophone Penis. IJDVL 2008,Vol.74,issue 3 ,P270-271. Sanjeev S Vaishampayan.
15	SCORTEN – does it need modification? IJDVL 2008 , Vol.74 Issue 1 ,P35-37. Sanjeev S Vaishampayan.

S. No.	Name of Publication
16	Emergencies in dermatology : Acute skin failure MJAFI 2006 VA62 Issue 1 P56-59. Sanjeev S Vaishampayan.
17	Keloidal granuloma faciale with extrafacial lesions. IJDVL 2005, Vol71 ,issue 5 p345-347. R.Verma ,Sanjeev S Vaishampayan.

23. Details of patents and income generated: nil
24. Areas of consultancy and income generated : Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil
26. Faculty serving in
- a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) Any other (specify)

Dr (brig) Sanjeev Vaishampayan:

- Member of Central Council IADVL, - member Board of studies IP University Delhi and KGMU University Lucknow
 - Member editorial board of Indian Dermatology Online Journal
 - MCI and DNB inspector in over 5 universities
27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). **By Medical education training programme, seminar, group discussions, Journals club, CME, Guest lectures, Academic meet, research methodology workshop, Pharmacovigilance workshop.**
28. Student projects:
- a) Percentage of students who have taken up in-house projects including inter-departmental projects :

All PG students are required to write a thesis.

The projects undertaken by PG students are:

 - i. Dr Rohini Chauhan - to compare the efficacy of 35% glycolic acid peel versus 20% salicylic acid peel in acne vulgaris

- ii. Dr. Alamjeet Singh Dhillon – correlation between polymorphic light eruptions and thyroid function tests
 - iii. Dr. Ajay Singh Raghuwanshi – study of dermatological manifestations in neonates admitted in a tertiary health care centre
 - iv. Dr. Radha Lacchiramani – study of dermatological manifestations in all female population attending a tertiary health care centre
- b) Percentage of students doing projects in collaboration with other universities / industry / institute : Nil
28. Awards / recognitions received at the national and international level by
- Faculty : Dr (brig)Sanjeev Vaishampayan best teacher award IADVL 2015
 - Doctoral / post doctoral fellows: Nil
 - Students: Nil
29. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. Nil
30. Code of ethics for research followed by the departments: Code of ethics followed are according to guidelines of Central Drugs Standard Control Organization, the ICMR , Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under guidance of Scientific Evaluation committee (SEC)& Institutional Ethics Committee (IEC) of the institution.
31. Student profile program-wise : Subject is the part of MBBS course. 150 U.G. Students and one PG student are selected through a competitive examination held by state government/ NEET/DMAT. For the details in concern with the process and student profile please refer criteria 2.1

Post graduate students profile:

Name of the program	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MD 2014	As per state government / DMAT	1	1	First batch is yet to appear in the exam.	
MD 2015		1	1		
MD 2016		2	0		

33. Diversity of students:

Name of the program (refer to question no. 4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
MD 2014	1			1
MD 2015	1		1	
MD 2016	1		1	

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.: Nil in the mentioned categories. However admission in Medical college is based on clearance of competitive examination conducted by Central or state government or DMAT.

35. Student progression :
Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	2 (29%)
from other universities within the State	1 (14%)
from universities from other States	3 (43%)
from universities outside the country	1 (14%)

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library: there is central library with a capacity of 460 and total books 15922 and journals 100-. The titles related to subject are

551.

- b) Internet facilities for staff and students: wi-fi facility is available at library premises. LAN & internet is available in the department.
 - c) Total number of class rooms: Department shares the common class rooms of the institution, which are 5 in number as per MCI norms.
 - d) Class rooms with ICT facility and 'smart' class rooms: All the class rooms are with ICT facility.
 - e) Students' laboratories: Department share the central research lab
 - f) Research laboratories: There's one central research lab of the institute, which is shared for the research activities.
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university: Nil
 - b) from other institutions/universities: Nil
40. Number of post graduate students getting financial assistance from the university: All Post graduates receive stipends as per the norms of state government.
41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology: MCI guidelines are followed to develop any new program.
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?: Frequent meeting of the departmental faculty is planned to provide and to analyze the feedback.
 - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ? The institution collects the student feedback and that is shared for the required improvement in teaching-learning evaluation.
 - c. Alumni and employers on the programs offered and how does the department utilize the feedback ? Alumni also provide the

feedback for the departmental activities in the same manner as for the students.

43. List the distinguished alumni of the department (maximum 10): First batch of post graduates are yet to appear in the examination.
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

S. No.	Date	Speaker	Topic
2	24/2/15	Prof. Dr. Ganni Bhaskara Rao, Chairman of GSL Medi. Coll. In Rajamundry, (A.P.)	Role of simulation in Medical Education
3	2/5/15	Prof. Dr. D.K. Taneja M.S. (Ex Dean MGM Medical College, Indore	Orientation for Post Graduate residents towards becoming a good doctor
4	3/6/15	Dr. Anil Singhavi M.D. (Consultant hemotologist)	Recent advances in sickle cell disease treatment
5	11/6/15	Dr. Idris Khan M.D. D.M. (Consultant Cardiologist, Bombay Hospital, Indore	Recent advance in Cardiology
6	2/7/15	Dr. Niraj Jain M.D. D.M. (Consultant Gastro entereologist, CHL Hospital)	Hepatitis-B an update
7	10/7/15	Dr. Sandeepsaxena M.D. D.M. (Nephrologist, Apollo Hospital Indore)	Chronic kidney disease management an update
8	8/8/15	Prof. Dr. P.C. Manoria Director Manoria Heart Care &Intervetion Center, Bhopal (M.P.)	ST Elevation Myocardial infarction
9	21/8/15	Prof. Dr. SaurabhMalviya M.D. (HOD- Rheumatology, Medanta Hospital, Indore)	“Arthritis – Myths & Pearls”
10	3/9/15	Dr. PrashantBhartiya (corneal Transplant Surgery) M.D. (AIIMS) D.N.B., FRCS (U.K.)	“Current scenario in Corneal Surgery”
11	28/1/16	Dr.Bhagyesh Pore, Eye, Orbit, Oculoplasty & oncosurgeon;	Orbit & Oculoplasty surgical overview

S. No.	Date	Speaker	Topic
		Shakuntla Netralaya, Indore	
12	11/2/16	Dr. Prakash G. Chitalkar, Professor of Medical oncology, SAIMS, Indore	Hopeful Oncology- the emergence of young adult cancer medicine
13	18/2/16	Dr. Shrikant Phatak, HOD, ENT, Choithram Hospital, Indore	Human voice & voice disorders
14	9/8/16	B.K. Vika Bahen, Prajapita Bramhakumaris Ishwariya Vishwavidhyalaya	Spirituality and Health care

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
 - Seminars/journals club/ group discussion
 - Participation in local/state/national conferences/CMEs/workshop
 - Integrated teaching with other departments and guest speakers.
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? The analysis of the university result and feed back by the students and alumni is utilized for the monitoring of learning outcomes.
47. Highlight the participation of students and faculty in extension activities.
Students, staff and faculty are regularly participating in blood donation, plantation and swachhata abhiyan.
48. Give details of “beyond syllabus scholarly activities” of the department.
The department plays a key role in creating social awareness towards vitiligo and leprosy
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: All the program of the department are recognized by MCI as per the standard norms
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Researches of the department are additive to the already existing knowledge of medical science.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Experienced faculty
- Strong infrastructure

Weaknesses:

- Relative deficiency of clientele
- Lack of continuity of faculty
- Lack of backup for equipment

Opportunities:

- The College is situated in a rural area so we can impart very good health care and can get a varied spectrum of cases

Challenges:

- Public awareness and education

52. **Future Plans:**

To enhance the research activities and publication of the articles in index journals

**DEPARTMENT OF
FORENSIC MEDICINE & TOXICOLOGY**

EVALUATIVE REPORT OF THE DEPARTMENT

1. Name of the Department : Forensic Medicine & Toxicology
2. Year of establishment : 2007
3. Is the Department part of a college/Faculty of the university?: Yes it is part of the college
4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): MBBS
5. Interdisciplinary programs and departments involved: MBBS, MD,
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programs discontinued, if any, with reasons: Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Annual based credit system as per directives of the apex body (MCI)
9. Participation of the department in the courses offered by other departments: Integration of the teaching with various subjects of medical science
10. Number of teaching posts.

	Sanctioned	Filed
Professor	01	1
Associate Professor	01	-
Asst. Professors	01	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance Faculty profile with name

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Seema Sutay	MD. (FMT), LLB	Professor	Forensic Medicine & Toxicology	10

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:
Nil

13. Percentage of classes taken by temporary faculty – program-wise information : NA

14. Program-wise Student Teacher Ratio: MBBS- **1:150**

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:4

16. Research thrust areas as recognized by major funding agencies : Not applicable. However the following research projects are under process:

- Cross sectional Study of chronic consumption of cannabis in M.P. population with respect to their health effects.
- Authenticity of Gustafson’s formula of Teeth to estimate age of a person.
- Pattern of MLCs in Index Medical College, Indore.
- Trends of poisoning cases in Index medical college and hospital, Indore. Pattern of injuries in roadside accident cases reporting to index medical college hospital, Indore.
- Comparative analysis of Study of Sleep-Study Pattern in medical students regularly with that of during examination and its effects on health of students.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : Nil

18. Inter-institutional collaborative projects and associated grants received

- a) National collaboration

- b) International collaboration: Nil
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil
20. Research facility / centre with
- a) state recognition
 - b) national recognition
 - c) international recognition

Department shares the common facilities of the institute for example

- Central research Lab. Recognized by M.C.I., state and central government
- Scientific Evaluation committee to guide on the scientific content of the project with due consideration of all the documents listed in Review Exemption Application Form as per Central Drugs Standard Control Organization, the ICMR guidelines, Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP).
- Institutional Ethics Committee (IEC), registered under Rule 122 DD of the Drugs and Cosmetics Rules 1945 with Reg. No. ECR/708/Inst/MP/2015 to review the ethical aspects concerned with research projects.

Additionally department has its own well equipped lab and museum.

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:

Text Books: - Nil

Chapter in Books - Nil

Book/Journal edited -

Dr Seema Sutay , co-editor in SOP on Std medicolegal procedures.

Author OP Murthy, Gita Rani

Paper Publications

- Tirpude B.H., SeemaSutay, DNA – a crime solving tool: The DNA a review article, journal of medico legal associations of Maharashtra, 2003, 14(1): 3-8.
- SeemaSutay, B H Tirpude, A rare case of accidental strangulation, the journal of MGIMS, 2004, 9 (I): 59-61.

- IndrajeetKhandekar, SeemaSutay, A need for meticulous autopsy, Indian medical gazette, 2005, cxxxix (8):366-368.
- Tirpude B.H., Sheikh N.A., SeemaSutay, Trends of poisoning in Wardha and importance of toxicology laboratory, the antiseptic, 2006, 2:13-15.
- SeemaSutay, Tirpude B.H. Differentiation of writing inks by thin layer chromatography, journal of medico legal associations of Maharashtra, January, 2007.
- Sheikh N.A., Tirpude B.H., SeemaSutay, Spectrum of childhood poisoning, journal of medico legal associations of Maharashtra, January, 2007.
- PankajMurkey, SeemaSutay, Cheiloscopy unique nature of personal identification, journal of Indian academy of forensic medicine, 2008, vol.30 issue 4.
- SeemaSutay, B H Tirpude, Pattern of histopathological changes in liver due to poisoning, journal of Indian academy of forensic medicine, 2008, vol.30 issue 2.
- SeemaSutay, D S Chouhan, UpendraTiwari, Estimation of stature by footlength measurement in MP population. International Journal of Bioassay. jan 2014
- Seemasutay, N A sheikh, Essential precautions in preservation of biological material. Indian journal of Forensic Medicine and Pathology, oct-dec ,2013, vol – 6 no.4.
- Seemasutay, Dr N A Sheikh, An insight into additional factors in drug abuse. Indian journal of Forensic Medicine and Toxicology, vol – 8, july-dec2014.
- SeemaSutay, Dr N A Sheikh, Comparative Analysis of equations to estimate stature with footlength measurement. Indian journal of Forensic Medicine and Pathology, Accepted for 2015
- SeemaSutay, Dr N A Sheikh. Study of stature by percutaneous length in MP population of India, Medicolegal update. Accepted for 2015.
- DrGautam Anand, DrSeemaSutay. Act and Crisis: Mental Health Perspective. Inventi Rapid: Life style journal. 2013:4.
- Vishal Garg, Dr. SK Verma, “profile of medicolegal cases at Adesh institute of Medical Sciences and Research, bathindapunjab” published in Journal of Indian Academy of Forensic Medicine (JIAFM) -Volume 32, No 2 (April-June 2010, pp 150-152).
- Vishal Garg, SK Verma, Trends of poisoning in rural area of south-west Punjab, Journal of Indian Academy of Forensic Medicine (JIAFM) -Volume 32, No 3 (July-Sept 2010, pp 189-193).

- Prabhsharan Singh, Dasari Harish, Incidence of post burn septicemia at a tertiary care hospital, Journal of Indian Academy of Forensic Medicine (JIAFM) -Volume 33, No 4 (Oct- Dec 2011, pp 319-323).
- Prabhsharan Singh, Dasari Harish, "Profile of burn cases at government medical college hospital, Chandigarh. Indian Journal of Forensic Medicine and Toxicology (IJFMT) - Volume 6, No 1, (Jan-Jun 2012, pp 56-59)

23. Details of patents and income generated: nil
24. Areas of consultancy and income generated : Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil
26. Faculty serving in
- a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) Any other (specify)

Dr. Seema Sutay: Life Member of Indian academy of forensic medicine, Indian society of toxicology, Medicolegal Association of Maharashtra and Member of online forum NACPFMT (National Action Consortium of Forensic Medicine & Toxicology) and online forum DFPPF

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

28. Student projects

Percentage of students who have done in-house projects including inter departmental/programme: All U.G. students are involved in departmental projects .

Some of the significant projects undergoing in the department with the assistance of UG Students are mentioned below :

- Sai-Cross sectional Study of chronic consumption of cannabis in M.P. population with respect to their health effects
- Ananya -Authenticity of Gustafson's formula of Teeth to estimate age of a person.

- Anjali -Study of Pattern of MLCs in Index Medical College, Indore.
- Suruchi-Trends of poisoning cases in Index medical college and hospital, Indore.
- Suruchi-Pattern of injuries in roadside accident cases reporting to index medical college hospital, Indore
- Aanchal -Comparative analysis of Study of Sleep-Study Pattern in medical students regularly with that of during examination and its effects on health of students

Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

29. Awards / recognitions received at the national and international level by

Faculty: Nil

Doctoral / post doctoral fellows : Nil

Students: Roopal Khare in 2014 and Neha Parihar in 2013 got distinction in MBBS examination conducted by Devi Ahilya University, Indore.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. Nil

31. Code of ethics for research followed by the departments: Code of ethics followed are according to guidelines of Central Drugs Standard Control Organization, the ICMR , Schedule Y, and ICH (International Conference on Harmonization) Good Clinical Practice (GCP) under guidance of Scientific Evaluation committee (SEC) & Institutional Ethics Committee (IEC) of the institution.

32. Student profile program-wise :Subject is the part of MBBS course. 150 U.G. Students are selected through a competitive examination held by state government/ NEET/DMAT. For the details in concern with the process and student profile please refer criteria 2.1

33. Diversity of students

Name of the program	% of students from the	% of students from other	% of students from	% of students from other
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(refer to question no. 4)	same university	universities within the state	universities outside the state	countries
Subject is part of MBBS course. No PG or additional course is run by the department. For diversity of UG students please refer to college profile.				

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.: Nil in the mentioned categories. However admission in Medical college is based on clearance of competitive examination conducted by Central or state government or DMAT.
35. Student progression :
Progression of the students to PG courses is through a competitive examination held by state government/ All India pre-PG exam/DMAT and all the graduate doctors are either self employed or recruited by the government agencies.
36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	
from other universities within the State	
from universities from other States	100
from universities outside the country	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil
38. Present details of departmental infrastructural facilities with regard to
- a) Library : there is central library with a capacity of 460 and total books 15922 and journals 100. The titles related to subject are 313.
Additionally there's a departmental library with a sitting capacity of **16** and number of books **251**
 - b) Internet facilities for Staff & Students : wi-fi facility is available
 - c) Total number of class rooms: Department shares the common class rooms of the institution, which are 5 in number as per MCI norms.

- d) Class rooms with ICT facility and 'smart' class rooms: All the class rooms are with ICT facility
 - e) Student Laboratories: - Well equipped Lab and museum is available
 - f) Research laboratories: The department owes a research lab and also shares the Central Research lab for the research activities.
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university: Nil
 - b) from other institutions/universities: Nil
40. Number of post graduate students getting financial assistance from the university: No Post graduate program is run by the department.
41. Was any need assessment exercise undertaken before the development of new program(s) ? If so, highlight the methodology: MCI guidelines are followed to develop any new program.
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback ? : frequent meeting of the departmental faculty is planned to provide and to analyze the feedback.
 - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ? The institution collects the student feedback and that is shared for the required improvement in teaching-learning evaluation.
 - c. Alumni and employers on the programs offered and how does the department utilize the feedback ? Alumni also provide the feedback for the departmental activities in the same manner as for the students.
43. List the distinguished alumni of the department (maximum 10): No post graduates in the department.
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Date	Speaker	Topic
24/2/15	Prof. Dr. Ganni Bhaskara Rao,	Role of simulation in Medical

	Chairman of GSL Medi. Coll. In Rajamundry, (A.P.)	Education
2/5/15	Prof. Dr. D.K. Taneja M.S. (Ex Dean MGM Medical College, Indore)	Orientation for Post Graduate residents towards becoming a good doctor
3/6/15	Dr. Anil Singhavi M.D. (Consultant hemotologist)	Recent advances in sickle cell disease treatment
11/6/15	Dr. Idris Khan M.D. D.M. (Consultant Cardiologist, Bombay Hospital, Indore)	Recent advance in Cardiology
2/7/15	Dr. Niraj Jain M.D. D.M. (Consultant Gastro entrelogist, CHL Hospital)	Hepatitis-B an update
10/7/15	Dr. Sandeep saxena M.D. D.M. (Nephrologist, Apollo Hospital Indore)	Chronic kidney disease management an update
8/8/15	Prof. Dr. P.C. Manoria Director Manoria Heart Care & Intervetion Center, Bhopal (M.P.)	ST Elevation Myocardial infarction
21/8/15	Prof. Dr. Saurabh Malviya M.D. (HOD- Rheumatology, Medanta Hospital, Indore)	“Arthritis – Myths & Pearls”
3/9/15	Dr. Prashant Bhartiya (corneal Transplant Surgery) M.D. (AIIMS) D.N.B., FRCS (U.K.)	“Current scenario in Corneal Surgery”
1/12/15	Dr. Piyush Gupta, Ohio, USA	Inner Healing
28/1/16	Dr. Bhagyesh Pore, Eye, Orbit, Oculoplasty & oncosurgeon; Shakuntla Netralaya, Indore	Orbit & Oculoplasty surgical overview
11/2/16	Dr. Prakash G. Chitalkar, Professor of Medical oncology, SAIMS, Indore	Hopeful Oncology- the emergence of young adult cancer medicine
18/2/16	Dr. Shrikant Fatak, HOD, ENT, Choithram Hospital, Indore	Human voice & voice disorders
9/8/16	B.K. Vika Bahen, Prajapita Bramhakumaris Ishwariya Vishwavidhyalaya	Spirituality and Health care

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
- Interactive teaching with support of TL media,
 - Seminars
 - Home Assignments,
 - Group discussions,
 - Case studies
 - Online students interaction
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? The analysis of the university result and feed back by the students and alumni is utilized for the monitoring of learning outcomes.
47. Highlight the participation of students and faculty in extension activities.
Students, staff and faculty are regularly participating in blood donation, plantation and swachhataabhiyan.
48. Give details of “beyond syllabus scholarly activities : Nil
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: All the program of the department are recognized by MCI as per the standard norms
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Researches of the department are additive to the already existing knowledge of medical science.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Student Centric course facilities and expertise available in the Department
- Research projects are allotted to Student at 2ndprof MBBS level.
- Intreractive discussion
- Home assignments & Projects related to topics are given in different sessions of semester.
- Online teaching is incorporated to provide 24/7 support.

Weaknesses:

- Lack of PG program.

- Being Private medical college, Government has not given permission yet for postmortem examination.

Opportunities:

- Facilities are available to carry our Research projects

Challenges:

- To get Government permission to start postmortem examination in institute.
- To set Toxicology Laboratory

Future Plans:

1. Start PM examination and Advancement of Research Projects
2. To start poison information centre
3. Organize a National Conference

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Medical College Hospital & Research Center

(Unit of mayank's Welfare Society)

Declaration by the Head of the Institution

I certify that the data included in this Self Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.



(Dr. M.R. Kural)
DEAN
Index Medical College, Hospital
and Research Centre, Indore

Place: Indore

Date: 26.10.2016



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