

# The Annual Quality Assurance Report (AQAR) of the IQAC

2012-13

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC.

## Part – A

### I. Details of the Institution

1.1 Name of the Institution

Mahatma Gandhi Institute of  
Medical Sciences

1.2 Address Line 1

Sevagram

Address Line 2

Wardha

City/Town

Wardha

State

Maharashtra

Pin Code

442102

Institution e-mail address

dean@mgims.ac.in

Contact Nos.

07152-284343 extn - 209

Name of the Head of the Institution:

Dr B S Garg

Tel. No. with STD Code:

07152-284343 extn - 210

Mobile:

9422141693

Name of the IQAC Co-ordinator:

Dr Devesh Gosavi

Mobile:

9422143974

IQAC e-mail address:

gosavi@mgims.ac.in

1.3 **NAAC Track ID** (For ex. MHCOGN 18879) EC/56/A&A/046

1.4 Website address:

www. mgims.ac.in

Web-link of the AQAR:

<https://www.mgims.ac.in/index.php/academics/naac>

For ex. <http://www.ladykeanecollege.edu.in/AQAR201213.doc>

#### 1.5 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	A	3.16	2011	5 years
2	2 <sup>nd</sup> Cycle				
3	3 <sup>rd</sup> Cycle				
4	4 <sup>th</sup> Cycle				

1.6 Date of Establishment of IQAC:

30/03/2012

**1.7 AQAR for the year (for example 2010-11)**

2012-13

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*for example AQAR 2010-11 submitted to NAAC on 12-10-2011*)

- i. AQAR 2011-12 26/06/2013 (received)  
ii. AQAR \_\_\_\_\_ (DD/MM/YYYY)  
iii. AQAR \_\_\_\_\_ (DD/MM/YYYY)  
iv. AQAR \_\_\_\_\_ (DD/MM/YYYY)

**1.9 Institutional Status**

University State ☒ Central ☐ Deemed ☐ Private ☐

Affiliated College Yes ☒ No ☐

Constituent College Yes ☐ No ☐

Autonomous college of UGC Yes ☐ No ☒

Regulatory Agency approved Institution Yes ☒ No ☐

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education ☒ Men ☐ Women ☐

Urban ☐ Rural ☒ Tribal ☐

Financial Status Grant-in-aid ☐ UGC 2(f) ☐ UGC 12B ☐

Grant-in-aid + Self Financing ☒ Totally Self-financing ☐

**1.10 Type of Faculty/Programme**

Arts ☐ Science ☐ Commerce ☐ Law ☐ PEI (Phys Edu) ☐

TEI (Edu) ☐ Engineering ☐ Health Science ☒ Management ☐

Others (Specify)

1.11 Name of the Affiliating University (*for the Colleges*)

Maharashtra University of  
Health Sciences, Nashik

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

## **2. IQAC Composition and Activities**

2.1 No. of Teachers

8

2.2 No. of Administrative/Technical staff

4

2.3 No. of students

0

2.4 No. of Management representatives

2

2.5 No. of Alumni

2

2. 6 No. of any other stakeholder and  
community representatives

0

2.7 No. of Employers/ Industrialists	<input type="text" value="0"/>		
2.8 No. of other External Experts	<input type="text" value="0"/>		
2.9 Total No. of members	<input type="text" value="15"/>		
2.10 No. of IQAC meetings held	<input type="text" value="2"/>		
2.11 No. of meetings with various stakeholders:	No.	<input type="text"/>	Faculty <input type="text" value="1"/>
Non-Teaching Staff	<input type="text" value="1"/>	Alumni <input type="text" value="1"/>	Others <input type="text"/>
Students			

2.12 Has IQAC received any funding from UGC during the year? Yes  No

If yes, mention the amount

#### 2.13 Seminars and Conferences

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.	<input type="text" value="57"/>	International	<input type="text" value="3"/>	National	<input type="text" value="6"/>	State	<input type="text" value="23"/>	Institution Level	<input type="text" value="25"/>
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(ii) Themes

#### 2.14 Significant Activities and contributions made by IQAC

1. To plan academic calendar and infrastructural changes for increase in students from 65 to 100
2. Organizing Academic activities: encouraging undergraduate students to organize an international research conference
3. Creating benchmarks for faculty development
4. Student mentoring cell established
5. Establishment of centralized skills laboratory
6. Proposal for expansion of patient care services to tribal areas of Melghat
7. Establishment of Clinical Forensic Medicine Unit
8. Pediatrics department established as nodal centre to provide facility based newborn care
9. Infrastructural development: New Medicine Department constructed; New operation theatre complex constructed

## 2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year \*

Plan of Action	Achievements
To plan ahead for increase in MBBS seats from 65 to 100	<ul style="list-style-type: none"> <li>- Timetables modified</li> <li>- Lecture halls upgraded</li> <li>- Practical and clinical training schedules revised</li> <li>- Construction of new hostels has started</li> </ul>
To promote undergraduate research	<ul style="list-style-type: none"> <li>- Encouraged undergraduate students to organize MEDICON 2012- an international undergraduate medical research conference</li> </ul>
To establish skills training centres	<ul style="list-style-type: none"> <li>- Centralized skills laboratory established</li> <li>- Pediatrics department selected by the Directorate of Health Services (Maharashtra) as the only nodal centre in Vidarbha and one of three nodal centres in the state for training of government health personnel in facility based newborn care</li> </ul>
To expand patient care services to tribal areas	<ul style="list-style-type: none"> <li>- Kasturba Health Society acquires a 7.5 acre plot and registers it to construct a multispeciality hospital in the tribal areas of Melghat</li> </ul>
To improve medicolegal training and quality of forensic reports	<ul style="list-style-type: none"> <li>- Clinical Forensic Medicine Unit started</li> </ul>
To disseminate experiences of community oriented medical education to other colleges	<ul style="list-style-type: none"> <li>- Collaborated with Centre for Innovations in Public Services (CIPS) Hyderabad to make undergraduate education more relevant through linkages of medical colleges with health system</li> <li>- In consultation with the state governments, five medical colleges in different states have been identified for pilot projects. Teams from MGIMS and CMC Vellore will visit these colleges next year</li> </ul>
To expand infrastructure	<ul style="list-style-type: none"> <li>- New Medicine building constructed with philanthropic support</li> <li>- New operation theatre complex constructed</li> </ul>

2.15 Whether the AQAR was placed in statutory body Yes ☒ No

Management ☒

Syndicate ☐

Any other body ☐

Provide the details of the action taken

This was tabled in the Local Management Committee meeting as an Annual Report. The meeting was held on 3 September 2013. The report was approved and then forwarded to the Governing Council.

## Part – B

### Criterion – I

#### I. Curricular Aspects

##### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	7			
PG	20			1
UG	1			4
PG Diploma	6			
Advanced Diploma				
Diploma				
Certificate	2			
Others	1			
<b>Total</b>	<b>37</b>			<b>5</b>
Interdisciplinary	1			
Innovative				

##### 1.2 (i) Flexibility of the Curriculum: CBCS/**Core**/Elective option / Open options

##### (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	
Trimester	
Annual	All

1.3 Feedback from stakeholders\* Alumni ☒ Parents ☒ Employers ☒ Students ☒  
**(On all aspects)**

Mode of feedback : Online ☐ Manual ☒ Co-operating schools (for PEI) ☐

*\*Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

No, as MGIMS is affiliated to MUHS Nashik. Syllabus updates are done at level of university. However feedback about necessary changes required in the curriculum is submitted to the University through Board of Studies Members and Management Council members of the institute.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

Yes. New Medicine Building constructed. Clinical Forensic Medicine Unit established. New Operation Theatre Complex established. Centralized skills laboratory established

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
154	63	29	60	2

2.2 No. of permanent faculty with Ph.D.

7

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
31	13	1	8	0	0	0	0	32	21

2.4 No. of Guest and Visiting faculty and Temporary faculty

0

9

0

2.5 Faculty participation in conferences and symposia:



No. of Faculty	International level	National level	State level
Attended	7	93	250
Presented papers	12	61	107
Resource Persons	2	34	271

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- ✓ Plans to improve skills training through use of mannequins
- ✓ Clinical Forensic Medicine Unit established to give hands on training to postgraduates
- ✓ Mentoring cell established and functioning made more structured

2.7 Total No. of actual teaching days during this academic year

251

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Yes. Examination reforms have been initiated by University: (a) Double valuation of papers has begun. (b) Closed circuit TV installed both in theory examination halls and practical halls according to MUHS guidelines (c) Internal vigilance squad appointed.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

6

2.10 Average percentage of attendance of students

80%

### 2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction	I	II	III	Pass %
I MBBS	66	1	48	12	0	92.4
II MBBS	65	2	49	7	0	89.02
III MBBS Part-1	70	0	29	32	0	87.1
III MBBS Part-2	56	0	41	8	0	87.5

### 2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

Regular IQAC meetings are conducted, the quality control mechanisms are formulated. This message is disseminated to the faculty through the Curriculum Committee notifications and circulars or during College Council meetings. Feedback collected is fed into the cycle and changes are made as required. This process takes care of planning time tables, schedules, coordinating between departments, assessment schedules etc. IQAC collects and analyzes student feedback

### 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	60
UGC – Faculty Improvement Programme	-
HRD programmes	29
Orientation programmes	66
Faculty exchange programme	-
Staff training conducted by the university	8
Staff training conducted by other institutions	113
Summer / Winter schools, Workshops, etc.	59
Others- meetings	65

### 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	65	31	-	30
Technical Staff	87	10	-	10

### Criterion – III

## 3. Research, Consultancy and Extension

### 3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- Creating quality benchmarks for research in departments
- Starting mandatory research methodology workshops for post-graduate guides and first year postgraduate students (before submission of thesis protocol)
- Promoting undergraduate students to apply for ICMR STS scholarship

### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	38	71	46	39
Outlay in Rs. Lakhs				265.71

### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	47	50	46	47
Outlay in Rs. Lakhs				

### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	45	142	-
Non-Peer Review Journals			
e-Journals			

Conference proceedings			
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### 3.5 Details on Impact factor of publications: PubMed indexed- 45

Range  Average  h-index  Nos. in SCOPUS

### 3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2012-13	ICMR, DBT, DST, UGC, UICC, WHO, NIH, IARC, Govt of Maharashtra, NIPCCD etc.	Rs 26175000	
Minor Projects	2012	KHS -16 postgraduates	Rs 354217	Rs 354217
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects <i>(other than compulsory by the University)</i>	2012-13	ICMR-STs undergraduates-9	Rs 90000	Rs 90000
Any other(Specify)				
Total			Rs 26619217	

3.7 No. of books published i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

### 3.8 No. of University Departments receiving funds from

UGC-SAP  CAS  DST-FIST   
DPE  DBT Scheme/funds

### 3.9 For colleges

Autonomy  CPE  DBT Star Scheme   
INSPIRE  CE  Any Other (specify)

3.10 Revenue generated through consultancy

Institute policy does not permit paid consultancy. However faculty do offer expert guidance to national and international organizations

3.11 No. of conferences

organized by the  
Institution

Level	International	National	State	University	College
Number	3	4	37	8	9
Sponsoring agencies	Cochrane Collaboration, Student BMJ, Lady Ratan Tata Trust, ICMR, MCI, DBT, Kasturba Health Society	ICMR, DBT, DST	ICMR, MCI, MUHS, KHS	MUHS	Kasturba Health Society

3.12 No. of faculty served as experts, chairpersons or resource persons

55

3.13 No. of collaborations

International

5

National

1

Any other

3.14 No. of linkages created during this year

1

3.15 Total budget for research for current year in lakhs :

From Funding agency

262,65,000

From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	
	Granted	
International	Applied	
	Granted	
Commercialised	Applied	
	Granted	

3.17 No. of research awards/ recognitions received by faculty and research fellows  
Of the institute in the year

Total	International	National	State	University	Dist	College
43	4	11	5	11	9	3

3.18 No. of faculty from the Institution  
who are Ph. D. Guides   
and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF  SRF  Project Fellows  Any other

3.21 No. of students Participated in NSS events:

University level  State level   
National level  International level

3.22 No. of students participated in NCC events: Nil

University level  State level   
National level  International level

3.23 No. of Awards won in NSS:

University level  State level   
National level  International level

3.24 No. of Awards won in NCC: Nil

University level  State level   
National level  International level

3.25 No. of Extension activities organized

University forum  College forum   
NCC  NSS  Any other

### 3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- ) Village adoption scheme and social service camp in Sonegaon village
- ) Reorientation of Medical Education (ROME) camp
- ) Patients seen at rural and urban health centres: 34583
- ) OPD and new 30 bed hospital started in tribal area of Utawali, Melghat
- ) Diagnostic camps organized in Sonegaon, Sindhi Meghe, Melghat, Hamdapur, Mandgaon, Wardhamaneri, Yavatmal, Wani and Bhadrawati. 88159 patients seen in these camps
- ) Health insurance scheme- 58186 cards and 232548 members
- ) Social ophthalmology: door to door screening conducted in all villages of 8 blocks of Wardha district (population of 8.3 lakhs); Visual acuity of 69769 persons above 50 years of age done; 6930 cataract surgeries performed, IOL implantation done in 6891 patients
- ) Blood donation camps held- 44

## Criterion – IV

### 4. Infrastructure and Learning Resources

#### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	73379 sq m			73379 sq m
Class rooms	7			
Laboratories	11			
Seminar Halls	22			
No. of important equipments purchased ( 1-0 lakh) during the current year.	Given below			Given below
Value of the equipment purchased during the year (Rs. in Lakhs)				
Others				

#### LIST OF EQUIPMENT PURCHASED IN 2012-13

##### Anatomy

Trinocular Microscope with digital camera  
 Plasma TV Monitor (52")  
 Distillation Unit  
 Electronic Relay Unit  
 X ray View Box  
 Deep Freezer

##### Water softener

##### Anesthesia

Advanced anaesthesia workstations  
 Multiparameter monitors

**Biochemistry:**

Automated Immuno-analyzer  
(Chemiluminescence Analyzer)  
Trinocular Fluorescent Microscope with Camera  
Automated microplate spectrophotometer

**ENT**

CCD Endocam, Camera  
Painoview Telescope 30°, 4mm,  
Electro surgical unit  
Doctors unit Pneumatic Operating Telecam DX  
Unit

**Medicine**

ABG Machine  
Multiparameter monitor  
Defibrillator  
Syringe pump  
Infusion pump  
ECG machine  
Cardiac Stress Test (TMT) machine  
Spirometer  
Ultrasonic chest physiotherapy machine  
Medical Care Dialysis Machine  
Ventilator  
Reverse osmosis plant  
Electronic Cell Counter

**Microbiology**

MGIT 320, ELISA reader and washer  
Woods lamp  
Pressure unit

**Obstetrics and Gynecology**

Fetal Doppler  
Operating table  
Pulse Oximeter

**Ophthalmology**

Alcon Constellation Vitreoretinal system  
LED ophthalmic operating microscope

**Orthopedics**

VAC system  
Laminar airflow system  
Pulse lavage system  
General, spine, THR instruments  
Electro cautery  
Suction machine

**Pathology**

Flow cytometer  
Liquid based cytology processor  
Automated blood cell counter  
Cryostat  
Elisa Reader and washer

**Pediatrics**

Conventional pediatric & neonatal ventilators  
High Frequency Ventilator  
Portable EEG machine  
CPAP machines  
Multipara monitors

**Pharmacology**

Bicycle Ergograph  
Digital Steadiness Tester  
Soxhlet Apparatus  
Heating Mantal for Soxhlet Apparatus  
Digital Display Multiple Choice Apparatus  
Flicker Fusion Apparatus  
Blood Glucose Monitor  
Bio-Pac  
HPLC

**Physiotherapy**

Elbow forearm, wrist CPM Unit  
Laser unit  
Cardiac motorized bicycle  
TENS  
IFT  
Cervical and lumbar traction unit

**Radiology**

Colour Doppler USG with 3D and 4D  
Sonography

**Radiotherapy**

Computerized radiotherapy unit

**Skills laboratory**

Dummy for basic and advanced life support  
Pediatric PALS or PBLS child mannequins with expandable lungs  
Adult ACLS mannequin with interactive arrhythmia simulator  
Child heart and lung sound trainer/ simulator  
Adult CPR torso with light controller with ambu bag  
ECG simulator (both adult and pediatric)



Suture practice arm  
Male and female catheterization simulator  
Surgery and laparoscopy trainer  
Childbirth simulator  
Articulating fetus and articulating pelvis

Cervical dilatation assessment model  
Episiotomy and perineal laceration training simulator

#### 4.2 Computerization of administration and library

Hospital information system:

Subscription and access to digital library of MUHS: 2074 e-resources

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	26407		511		26918	958908
Reference Books						
e-Books						
Journals					182 117 international, 65 national	5035634
e-Journals	2074 e-resources of MUHS digital library				2074 e-resources of MUHS digital library	
Digital Database						
CD & Video					1036	
Others – Bound volumes	16634		297 bound volumes			24387

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing								
Added								
Total	236	Computer labs in Bioinformatics centre and Community Medicine department	1GBPS speed broad band.	Wifi access in all departments and campus	Library	HIS	All departments have wifi access	

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

Free wi-fi on all registered devices on campus

Hospital information system usage for all patient related entry and reports

4.6 Amount spent on maintenance in lakhs :

i) ICT

ii) Campus Infrastructure and facilities

iii) Equipments

iv) Others

**Total :**

### **Criterion – V**

## **5. Student Support and Progression**

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

Mentoring cell has been established. Its functioning was made more structured. Dr Abhishek Raut was made the coordinator. Mentor-mentee pairs made. Monthly meetings scheduled. Quarterly feedback sought from mentors. Meeting of mentors held with Dean and coordinator.

## 5.2 Efforts made by the institution for tracking the progression

Internal assessment marks and attendance of students tracked carefully. Poor academic achievers called separately and given individual feedback. All students were shown answer books and given feedback.

### 5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
100	54	8	

### (b) No. of students outside the state

50%

### (c) No. of international students

2

	No	%
Men	47	47

	No	%
Women	53	53

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
38	9	5	11	2	65	31	13	6	18	2	100

Demand ratio: 2.9:1

Dropout % 0

## 5.4 Details of student support mechanism for coaching for competitive examinations (If any)

No. The institute does not have any such coaching provision. However postgraduation seats are first offered to MGIMS students who have completed rural service

No. of students beneficiaries

## 5.5 No. of students qualified in these examinations

NET	<input type="text"/>	SET/SLET	<input type="text"/>	GATE	<input type="text"/>	CAT	<input type="text"/>
IAS/IPS etc	<input type="text"/>	State PSC	<input type="text"/>	UPSC	<input type="text"/>	Others	<input type="text"/>

### 5.6 Details of student counselling and career guidance

Mentoring cell has been established. Its functioning was made more structured. Dr Abhishek Raut was made the coordinator. Mentor-mentee pairs made. Monthly meetings scheduled. Quarterly feedback sought from mentors. Meeting of mentors held with Dean and coordinator.

No. of students benefitted

All

### 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
83 rural centres			42

### 5.8 Details of gender sensitization programmes

Sessions on gender sensitization for students are conducted during orientation camp and social service camp.

### 5.9 Students Activities

#### 5.9.1 No. of students participated in Sports, Games and other events

State/ University level

25

National level

30

International level

-

No. of students participated in cultural events

State/ University level

50

National level

International level

#### 5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level

6

National level

4

International level

-

Cultural: State/ University level

National level

International level

### 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution		
Financial support from government		
Financial support from other sources		
Number of students who received International/ National recognitions		

### 5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: Mentoring cell made more structured. Feedback taken from mentors was used to improve hostel facilities. In view of the increased strength of students from 65 to 100, construction of new hostels has been sanctioned.

## Criterion – VI

### **6. Governance, Leadership and Management**

#### 6.1 State the Vision and Mission of the institution

In the spirit of its Founder, the Mahatma Gandhi Institute of Medical Sciences, Sevagram today is committed to the pursuit of professional excellence by evolving an integrated pattern of medical education and it seeks to provide accessible and affordable health care primarily to underprivileged rural communities.

#### 6.2 Does the Institution has a management Information System

Yes. The institute has an advanced hospital information system. All wards and offices are connected through it.

### 6.3 Quality improvement strategies adopted by the institution for each of the following:

#### 6.3.1 Curriculum Development

- ) Suggestions received from departments are sent to curriculum committee. If required, some of these suggestions are communicated to University for improvement via Board of Studies members
- ) All departments have been asked to send feedback on their departmental work and the student centric activities that they conduct.

#### 6.3.2 Teaching and Learning

- ) Feedback collected from students
- ) Small group teaching is encouraged.
- ) Two MCI approved Basic Workshops on Medical Education Technology were conducted by the Medical Education for faculty
- ) A workshop on construction of multiple choice questions was conducted for faculty
- ) A workshop on mentoring was held for faculty mentors
- ) Two research methodology workshops were held for first year postgraduates. Certificate of attendance is mandatory for submission of thesis
- ) Two research methodology workshops were conducted for postgraduate guides. Attendance in these MUHS approved workshops is mandatory to continue at postgraduate guides
- ) All postgraduate theses protocols have to be accompanied by IEC approval letters

#### 6.3.3 Examination and Evaluation

- University guidelines followed
- Vigilance squad ensures absence of cheating. CCTV cameras installed in examination hall
- Meticulous record keeping of internal assessment done. Marks submitted online to university regularly
- Students shown answer sheets and given feedback after internal assessment

#### 6.3.4 Research and Development

- ) Benchmarks set for research.
- ) Authorship guidelines defined
- ) Faculty encouraged to undertake small research projects with funding from MUHS and UGC

6.3.5 Library, ICT and physical infrastructure / instrumentation

- ) 2073 e-resources subscribed through MUHS Digital Library
- ) Access provided to all faculty and students through the campus intranet

6.3.6 Human Resource Management

- Personal promotion scheme exists for faculty: done on basis of pre-established criteria like quality of teaching, administration, research etc.
- Excellence awards given to non-teaching staff to encourage good performance

6.3.7 Faculty and Staff recruitment

- Pooled through national level advertisements and interviews with University approved selection panel

6.3.8 Industry Interaction / Collaboration

- Not applicable

6.3.9 Admission of Students

Through national level entrance test conducted all over the country in several centres: Nagpur, Delhi, Mumbai, Hyderabad, Varanasi, Guwahati, Kolkata

6.4 Welfare schemes for

Teaching	2
Non teaching	2
Students	2

6.5 Total corpus fund generated

6.6 Whether annual financial audit has been done

Yes

☒

No

☐

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic			✓	Curriculum committee
Administrative (Financial audit)	✓	CAG	yes	Audited by M/S Mankeshwar and Co.

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes ☒ ☐

For PG Programmes Yes ☒ No ☐

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

The University has introduced online question paper setting and improved security of question papers

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Not applicable

6.11 Activities and support from the Alumni Association

Financial support is provided by alumni for needy students

6.12 Activities and support from the Parent – Teacher Association

- Efforts on to register Parent teacher Association
- Parents are kept informed about the performance of their wards

6.13 Development programmes for support staff

- Regular training on handling of biological wastes



#### 6.14 Initiatives taken by the institution to make the campus eco-friendly

Greenery all around: Garden section carries out plantation and tree plantation drives

## Criterion – VII

### 7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- Leadership skills: Encouraged undergraduate students to organize an international undergraduate medical research conference
- Clinical Forensic Medicine Unit started

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

Plan of Action	Action Taken report
To plan ahead for increase in MBBS seats from 65 to 100	<ul style="list-style-type: none"><li>- Timetables were modified according to increased batches for practicals</li><li>- Lecture halls have been upgraded</li><li>- Practical and clinical training schedules revised</li><li>- Construction of new hostels has started</li></ul>
To promote undergraduate research	<ul style="list-style-type: none"><li>- Encouraged undergraduate students to organize MEDICON 2012- an international undergraduate medical research conference</li></ul>
To establish skills training centres	<ul style="list-style-type: none"><li>- Centralized skills laboratory established</li><li>- Pediatrics department selected by the Directorate of Health Services (Maharashtra) as the only nodal centre in Vidarbha and one of three nodal centres in the state for training of government health personnel in facility based newborn care</li></ul>
To expand patient care services to tribal areas	<ul style="list-style-type: none"><li>- Kasturba Health Society acquires a 7.5 acre plot and registers it to construct a multispeciality hospital in the tribal areas of Melghat</li></ul>
To improve medicolegal training and quality of forensic reports	<ul style="list-style-type: none"><li>- Clinical Forensic Medicine Unit started</li></ul>

To disseminate experiences of community oriented medical education to other colleges	<ul style="list-style-type: none"> <li>- Collaborated with Centre for Innovations in Public Services (CIPS) Hyderabad to make undergraduate education more relevant through linkages of medical colleges with health system</li> <li>- In consultation with the state governments, five medical colleges in different states have been identified for pilot projects. Teams from MGIMS and CMC Vellore will visit these colleges next year</li> </ul>
To expand infrastructure	<ul style="list-style-type: none"> <li>- New Medicine building constructed with philanthropic support</li> <li>- New operation theatre complex constructed</li> </ul>

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

- Orientation Camp
- ROME Camp
- (See annexures)

7.4 Contribution to environmental awareness / protection

- Tree plantation drives
- Requests to conserve electricity and water during summer months

7.5 Whether environmental audit was conducted?

Yes

☐

No

☒

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

## 8. **Plans of institution for next year**

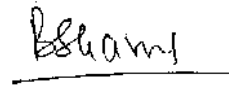
- The teams from MGIMS and CMC Vellore will visit five medical colleges in different states- to disseminate the unique curricular innovations of these two medical colleges
- Kasturba Health Society plans to construct a multispeciality hospital in the tribal area of Melghat
- The Institute plans the construction of a new state of the art operation theatre next year

Name Dr Devesh D Gosavi

Name Dr . B S Garg



*Signature of the Coordinator, IQAC*



*Signature of the Chairperson, IQAC*

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# Academic activities organized at MGIMS

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## MGIMS Undergraduate students

<b>Theme</b>	: <b>MEDICON 2012: 5th International Annual Students Research Conference</b>
<b>Organizing Secretary</b>	: Ms Amrita Kalantri
<b>Date</b>	: 11-14 Jul 2012
<b>No. of Delegates</b>	: 400
<b>Key Topics</b>	: Workshop on Basic Life support skills, Workshop on Laboratory Medicine, Workshop on Evidence Based Medicine, How to write a paper, Meaningful public health for research for medical students in India; Research with the people; Hunger, equity and justice in healthcare; STS: journey to success; Ethics beyond doctor- patient relationship; Molecular biology of cancer and personalized medicine; User driven health care; Managing post MBBS stress; Panel discussion on 'Is forcing fresh medical graduates into rural service, the answer to lack of availability of doctors in rural India?'
<b>Key Persons</b>	: Dr Arjun Rajagopalan, Dr Binayak Sen, Dr Abhay Bang, Dr Trish Groves, Dr MG Deo, Dr Sudhir Bhawe, Dr Roli Mathur, Dr Sanjay Nagral, Dr Rakesh Biswas, Dr Vinay Kumar, Dr Lalit Dandona, Mrs Vasumathi Sriganesh, Dr SP Kalantri, Dr Manu Mathew, Dr Rajnish Joshi, Dr Ashish Goel, Dr Anshu, Dr BH Premendran, Dr D Bhandari, Dr H Dongre, Dr V Sharma, Dr A Mahalle

## Anatomy

<b>Theme</b>	: <b>CME on 'A review of clinical anatomy of kidney in context of present day needs'</b>
<b>Organizing Secretary</b>	: Dr MR Shende
<b>Date</b>	: 24 Jan 2013
<b>No. of Delegates</b>	: 61
<b>Key Topics</b>	: Clinical anatomy of kidney in anatomists' view, Clinical anatomy of kidney- A surgeon's view, Renal Imaging' with anatomical basis and clinical relevance - Radiologists' view
<b>Key Persons</b>	: Dr RA Kamble, Dr P Vyavhare, Dr(Brig) Chander Mohan

## Anesthesia

<b>Theme</b>	: <b>CME on Medical Equipment Safety and MedEqSafe Workshop</b>
<b>Organizing Chairperson</b>	: Dr PS Dhande
<b>Organizing Secretaries</b>	: Dr Benhur Premendran and Dr Dhiraj Bhandari
<b>Date</b>	: 22 Jan 2013
<b>No. of delegates</b>	: 175
<b>Key Topics</b>	: Medical equipment management- Scenario in India, Medical

equipment 'Use and Safety' issues, Clinical engineering and their role in medical equipment safety, Medico-legal aspects of equipment failure, Standards of monitoring during anaesthesia and recovery, Challenges and Solutions of Medical Equipment Safety.

**Resource Persons** : Dr Allan Murray, Dr Niranjan Khambete, Dr Mrs P Narang, Dr R Narang, Dr S Chhabra, Dr Patond, Dr MVR Reddy, Dr Vijayshri Deotale and faculty from Dept of Anesthesiology, MGIMS

## Biochemistry

**Theme** : **Workshop on 'Communication skills, aptitude and professional behavior for first MBBS students'**

**Coordinator** : Dr K Goswami

**Date** : 28 Sep 2012

**No. of Delegates** : 100 students of 1st MBBS

**Key Topics** : Importance of communication; barriers of communication; writing communication skills; Verbal and non-verbal communication skills and presentations; Interpersonal relations; role of soft skills and etiquettes in communication

**Key Persons** : Dr MVR Reddy, Dr MR Shende, Dr AR Chaudhari, Dr K Goswami, Dr A Tarnekar, Dr JE Waghmare, Dr S Pawar, Dr V Shende

**Theme** : **Training Course on Immunological and molecular techniques as applied for infectious disease research**

**Organizers** : Dr MVR Reddy

**Date** : 28 Jan – 2 Feb 2013

**No. of Delegates** : 16 participants, 9 Faculty members , 4 Research Fellows

**Key Persons** : Dr MVR Reddy, Dr K Goswami, Dr BC Harinath, Dr Mrs. P Narang, Ms K Pote, Mr Yadav, Mr V Khatri, Mr N Amdare, Dr P Prasad, Dr D Dash, Dr DN Rao, Dr I Verma, Dr SC Parija

**Key Topics** : Advances in filarial parasite genomics: Opportunities for the development of novel diagnostics and effective vaccines; Mycobacterial secretory proteome with ES-31, ES-41, ES-43, ES-20, ES-38 and ES-6 proteins of diagnostic interest and serine protease as cell marker and drug target; Mass Spectrometry: its applications in biomedical research; Targeting filarial genome for novel drug designing: a bioinformatics approach; Role of potentiostat electrochemical analyzer in the diagnosis of infectious diseases; Immunodiagnosis of Chikungunya; Immunogenicity and protective efficacy of promiscuous peptides based vaccines against experimental tuberculosis: Use of immuno-informatics; Immunochromatographic tests (ICTs) in diagnosis of parasitic infections; Experience in Mycobacterial Research in Field and Laboratory. Immunological Techniques: Enzyme and fluorescent immunoassays, CIEP & Double Diffusion, Cellular and Cytokine assays, Molecular Techniques: Cloning, expression, and purification of recombinant proteins and real time PCR, Analytical Techniques: SDS-PAGE, 2D-Gel Electrophoresis and Western Blotting.

## Community Medicine and Dr Sushila Nayar School of Public Health

**Theme** : **District Advocacy meeting for Care for Child Development project**

**Organizing Secretary** : Dr BS Garg

**Date** : 16 Jul 2012

<b>No. of Delegates</b>	: 30
<b>Resource Persons</b>	: Dr BS Garg, Dr SS Gupta, Dr C Maliye, Dr A Raut, Mr PV Bahulekar
<b>Theme</b>	: <b>State Advocacy meeting for Care for Child Development project</b>
<b>Organizing Secretary</b>	: Dr BS Garg
<b>Date</b>	: 25 Jul 2012
<b>No. of Delegates</b>	: 35
<b>Resource Persons</b>	: Dr SS Gupta, Dr C Maliye, Dr A Raut
<b>Theme</b>	: <b>Training of ASHA on Care for Child Development</b>
<b>Organizing Secretary</b>	: Dr BS Garg
<b>Date</b>	: 24-27 Jul 2012
<b>No. of Delegates</b>	: 25
<b>Resource Persons</b>	: Dr C Maliye, ECD project team members
<b>Theme</b>	: <b>Training of ASHA on Care for Child Development</b>
<b>Organizing Secretary</b>	: Dr BS Garg
<b>Date</b>	: 28-31 Jul 2012
<b>No. of Delegates</b>	: 54
<b>Resource Persons</b>	: Dr C Maliye, ECD project team members
<b>Theme</b>	: <b>Training program for phase III, ROTA virus vaccine trial</b>
<b>Organizing Secretary</b>	: Dr BS Garg
<b>Date</b>	: 27 – 28 Dec 2012
<b>No. of Delegates</b>	: 15
<b>Resource Persons</b>	: Dr BS Garg, Dr PR Deshmukh, Dr A Raut
<b>Theme</b>	: <b>Training of ASHA</b>
<b>Organizing Secretary</b>	: Dr BS Garg
<b>Date</b>	: 26 – 29 Sep 2012
<b>No. of Delegates</b>	: 27
<b>Resource Persons</b>	: Mr PV Bahulekar, Mr V Yenurkar, Mrs T Khamankar
<b>Theme</b>	: <b>Training of ASHA</b>
<b>Organizing Secretary</b>	: Dr BS Garg
<b>Date</b>	: 3 – 6 Oct 2012
<b>No. of Delegates</b>	: 28
<b>Resource Persons</b>	: Mr PV Bahulekar, Mr P Bhusari, Mrs A Kakade
<b>Theme</b>	: <b>Training of ASHA</b>
<b>Organizing Secretary</b>	: Dr BS Garg
<b>Date</b>	: 9 – 12 Oct 2012
<b>No. of Delegates</b>	: 26
<b>Resource Persons</b>	: Mr PV Bahulekar, Mr P Bhusari, Mrs S Patil
<b>Theme</b>	: <b>NVBDCP Workshop</b>
<b>Organizing Secretary</b>	: Dr AM Mehendale
<b>Date</b>	: 7 – 11 Jan 2013
<b>No. of Delegates</b>	: 30
<b>Resource Persons</b>	: Dr PL Joshi, Dr BN Nagpal, Dr AM Mehendale

<b>Theme</b>	<b>: Training of AWW on Care for Child Development</b>
<b>Organizing Secretary</b>	<b>: Dr BS Garg</b>
<b>Date</b>	<b>: 4 Feb 2013</b>
<b>No. of Delegates</b>	<b>: 27</b>
<b>Resource Persons</b>	<b>: Dr SS Gupta, Mr. PV Bahulekar, Dr C Maliye, ECD project team members</b>
<b>Theme</b>	<b>: Training of AWW on Care for Child Development</b>
<b>Organizing Secretary</b>	<b>: Dr BS Garg</b>
<b>Date</b>	<b>: 7 - 9 Feb 2013</b>
<b>No. of Delegates</b>	<b>: 29</b>
<b>Resource Persons</b>	<b>: Dr SS Gupta, Mr PV Bahulekar, Dr C Maliye, ECD project team members</b>
<b>Theme</b>	<b>: Training of AWW on Care for Child Development</b>
<b>Organizing Secretary</b>	<b>: Dr BS Garg</b>
<b>Date</b>	<b>: 11 - 13 Feb 2013</b>
<b>No. of Delegates</b>	<b>: 27</b>
<b>Resource Persons</b>	<b>: Dr SS Gupta, Mr PV Bahulekar, Dr C Maliye, ECD project team members</b>
<b>Theme</b>	<b>: Non-Communicable Diseases Intervention in India &amp; Sweden</b>
<b>Organizing Secretary</b>	<b>: Dr BS Garg</b>
<b>Date</b>	<b>: 13 - 14 Feb 2013</b>
<b>No. of Delegates</b>	<b>: 10</b>
<b>Resource Persons</b>	<b>: Dr Miguel, Dr Navi, Dr BS Garg, Dr Anand Krishnan</b>
<b>Theme</b>	<b>: Training of ASHA on Care for Child Development</b>
<b>Organizing Secretary</b>	<b>: Dr BS Garg</b>
<b>Date</b>	<b>: 14 - 16 Feb 2013</b>
<b>No. of Delegates</b>	<b>: 27</b>
<b>Resource Persons</b>	<b>: Dr SS Gupta, Mr PV Bahulekar, Dr C Maliye, ECD project team members</b>
<b>Theme</b>	<b>: Training of AWW on Care for Child Development</b>
<b>Organizing Secretary</b>	<b>: Dr BS Garg</b>
<b>Date</b>	<b>: 18 - 20 Feb 2013</b>
<b>No. of Delegates</b>	<b>: 33</b>
<b>Resource Persons</b>	<b>: Dr SS Gupta, Mr PV Bahulekar, Dr C Maliye, ECD project team members</b>
<b>Theme</b>	<b>: Training of AWW on Care for Child Development</b>
<b>Organizing Secretary</b>	<b>: Dr BS Garg</b>
<b>Date</b>	<b>: 25 - 27 Feb 2013</b>
<b>No. of Delegates</b>	<b>: 31</b>
<b>Resource Persons</b>	<b>: Dr SS Gupta, Dr C Maliye, Dr A Raut, ECD project team members</b>
<b>Theme</b>	<b>: Training of ASHA on Care for Child Development</b>
<b>Organizing Secretary</b>	<b>: Dr BS Garg</b>
<b>Date</b>	<b>: 4 - 6 Mar 2013</b>
<b>No. of Delegates</b>	<b>: 37</b>
<b>Resource Persons</b>	<b>: Dr SS Gupta, Dr C Maliye, Dr A Raut, ECD project team members</b>

**Theme** : CMEs on RNTCP  
**Organizing Secretary** : Dr AM Mehendale  
**Date** : 6/22/24/29/30 Mar 2013 (Five CMEs)  
**No. of Delegates** : 300  
**Resource Persons** : Dr RN Deshmukh, Dr N Somalkar, Dr AM Mehendale, Dr S De

#### JBTDRC

**Theme** : 15th Workshop on Biomedical Informatics (Supported by DBT)  
**Organizing Chairman** : Dr BC Harinath  
**Organizing Secretary** : Dr S Kumar  
**Date** : 2 Dec 2012  
**No. of Delegates** : 33  
**Resource Persons** : Dr BC Harinath, Dr SP Kalantri, Dr GD Mogli, Dr AK Varma, Dr Dileep Bhale, Dr Prasad A. Wadegaonkar, Dr SN Singh, Dr S Kumar Ms MS. Kakde, Mr L Jena, Dr V Gupta  
**Key Topics** : Health Informatics & BIC's Contributions – A Brief Review; Hospital Information System at MGIMS; Computing Biomedical and Healthcare Research; Pathogenicity of Mutations in BRCA1 Domains and Hydrophobic Interactions; Telemedicine, an Overview; Multi-Target Drugs – A Bioinformatics Approach for Screening of Compounds from Complementary and Alternative Medicine; Biomedical communication and Cloud Computing in Digital Era; HPV-PDB: Proteome database on Human Papillomavirus; Effect of Single Amino Acid Mutations on *Mycobacterium tuberculosis* H37Rv with reference to H37Ra: Predicting a Structure - Function Relationship Using Computational Approaches; PACS: Challenges in future

#### Microbiology

**Theme** : 13th Dr PRJ Gangadharam Oration Award (2012-13)  
**Chair person** : Dr P Narang  
**Organizing Secretary** : Dr DK Mendiratta  
**Date** : 15 Feb 2013  
**Awardee** : Dr Prahlad Kumar, Director, National Tuberculosis Research Institute, Bangalore  
**Oration Topic** : Challenges in the management of MDR TB in India

#### Obstetrics & Gynecology

**Theme** : Workshop on PCPNDT  
**Organizing Secretary** : Dept of OBGY & Dept of Radiology  
**Date** : 16 Aug 2012  
**No. of Delegates** : 70  
**Resource Persons** : Dr PV Shivkumar, Dr S Tayade, Dr A Tayade

**Theme** : Workshop on Maternal Death Review  
**Organizing Secretary** : Civil Hospital Wardha & Dept of OBGY  
**Date** : 29 Nov 2012  
**No. of Delegates** : 55  
**Resource Persons** : Dr. M Sonnane, Dr BS Garg, Dr PV Shivkumar, Dr S Tayade



**Theme** : **Workshop on Female Breast and its Care**  
**Organizing Secretary** : Dr S Tayade & FOGSI  
**Date** : 29 Nov 2012  
**No. of Delegates** : 75  
**Resource Persons** : Dr S Tayade

**Theme** : **Workshop on Introduction of Laparoscopy**  
**Organizing Secretary** : Dept of OBGY  
**Date** : 21 Dec 2012  
**No. of Delegates** : 56  
**Resource Persons** : Dr A Tembhare

**Theme** : **Workshop on RNTCP**  
**Organizing Secretary** : Dept of OBGY  
**Date** : 8 Mar 2013  
**No. of Delegates** : 65  
**Resource Persons** : Dr S Tayade, Dr PV Shivkumar, Dr R Deshmukh

## Orthopedics

**Theme** : **CME on Tuberculosis**  
**Organizing Secretary** : Dr CM Badole  
**Date** : 30 Sep 2012  
**No of delegates** : 50  
**Key Topics** : MDR Tuberculosis  
**Resource persons** : Dr Mrs P Narang, Dr CM Badole, Dr PS Nagpure

## Pediatrics

**Theme** : **'Helping Babies Breathe' Workshop**  
**Organizing Secretary** : Dr KY Vilhekar  
**Date** : 1 Jul 2012  
**No of delegates** : 18  
**Key Topics** : Preparation for birth, Initial steps at birth, How to decide who requires bag & mask ventilation, How to give BMV effectively.  
**Resource persons** : Dr M Jain, Dr A Bang

**Theme** : **'Helping Babies Breathe' Workshop**  
**Organizing Secretary** : Dr KY Vilhekar  
**Date** : 8 Jul 2012  
**No of delegates** : 18  
**Key Topics** : Preparation for birth, Initial steps at birth, How to decide who requires bag & mask ventilation, How to give BMV effectively.  
**Resource persons** : Dr M Jain, Dr A Bang

**Theme** : Intra-collegiate round of 25th Indian Academy of Pediatrics UG quiz  
**Organizing Secretary** : Dr KY Vilhekar  
**Date** : 8 Aug 2012  
**No of delegates** : 60  
**Key Topics** : General Pediatrics, Systemic Pediatric, Genetics, Community Pediatrics  
**Key persons** : Dr M Jain, Dr A Bang, Dr KY Vilhekar

**Theme** : 19th Annual Basic Neonatal Care Workshop  
**Organizing Secretary** : Dr KY Vilhekar  
**Date** : 11 Aug 2012  
**No of delegates** : 75  
**Key Topics** : Care of normal new born, breastfeeding, care of low birth weight babies, hypothermia, neonatal sepsis, neonatal jaundice, transport of sick babies, danger signs.  
**Resource persons** : All faculty of Pediatrics dept.

**Theme** : 19th Annual Neonatal Resuscitation Training Workshop  
**Organizing Secretary** : Dr KY Vilhekar  
**Date** : 12 Aug 2011  
**No of delegates** : 75  
**Key Topics** : Physiology of asphyxia, initial steps of resuscitation, positive pressure ventilation, chest compression, intubation, medications, resuscitation of preterms, special cases, ethics.  
**Resource persons** : All faculty of Pediatrics dept.

**Theme** : Pediatric Advanced Life Support  
**Organizing Secretary** : Dr KY Vilhekar  
**Date** : 18-19 Aug 2012  
**No of delegates** : 40  
**Key Topics** : Evaluation of a sick child, recognition and management of respiratory failure, recognition and management of shock, recognition and management of cardiac rhythm disturbances, pediatric basic life support  
**Resource persons** : Dr M Jain, Dr A Bang, Dr A Patel, Dr Girish S, Dr Minakshi G, Dr Somshekhar N

**Theme** : 4th Workshop on Facility Based Newborn Care  
**Organizing Secretary** : Dr KY Vilhekar  
**Date** : 17-20 Dec 2012  
**No of delegates** : 31  
**Key Topics** : Newborn Resuscitation, care of a normal newborn, Diagnosis and management of various neonatal emergencies, NICU protocols, Demonstration of equipment and procedures related to NICU  
**Resource persons** : Dr KY Vilhekar, Dr M Jain, Dr A Bang, Dr V Chavan

**Theme** : 4th Practical observer training on Facility Based Newborn Care  
**Organizing Secretary** : Dr KY Vilhekar  
**Date** : 21 Dec – 3 Jan 2013  
**No of delegates** : 7  
**Key Topics** : Training in various procedures, skills and attitude for complete management of newborns in NICU  
**Resource persons** : All faculty of Pediatrics dept.

**Theme** : **5th workshop on Facility Based Newborn Care**  
**Organizing Secretary** : Dr KY Vilhekar  
**Date** : 21 -24 Jan 2013  
**No of delegates** : 29  
**Key Topics** : Newborn Resuscitation, Care of a normal newborn, Diagnosis & Management of various neonatal emergencies, NICU protocols, Demonstration of equipments & procedures related to NICU  
**Resource persons** : All faculty of Pediatrics dept.

**Theme** : **5th Practical observer training in FBNC**  
**Organizing Secretary** : Dr KY Vilhekar  
**Date** : 25 Jan – 8 Feb 2013  
**No of delegates** : 12  
**Key Topics** : Training in various procedures, skills and attitude for complete management of newborns in NICU  
**Resource persons** : All faculty of Pediatrics dept.

**Theme** : **6th workshop on Facility Based Newborn Care**  
**Organizing Secretary** : Dr KY Vilhekar  
**Date** : 4- 7 Mar 2013  
**No of delegates** : 22  
**Key Topics** : Newborn resuscitation, care of a normal newborn, diagnosis & management of various neonatal emergencies, NICU protocols, demonstration of equipment & procedures related to NICU  
**Resource persons** : All faculty of Pediatrics dept.

**Theme** : **6th Practical observer training in FBNC**  
**Organizing Secretary** : Dr KY Vilhekar  
**Date** : 8-22 Mar 2013  
**No of delegates** : 11  
**Key Topics** : Training in various procedures, skills and attitude for complete management of newborns in NICU  
**Resource persons** : All faculty of Pediatrics dept.

#### Pharmacology and Psychiatry

**Theme** : **International conference on Neuropsychopharmacology: Miracles and progress of Neuropsychopharmacology in 21st century.**  
**Organizing President** : Dr SK Verma  
**Organizing Secretary** : Dr P Khairkar  
**Date** : 9-10 Feb 2013  
**No. of Delegates** : 180  
**Key topics** : Pouring of magic molecules in last 4 decades in Neuropsychopharmacology: Changing horizons, gaining insights, Do sex offenders need anti-androgen/ neuropsychopharmacological intervention?, Biological limits of psychopharmacology in the treatment of schizophrenia, Recent updates of pharmacological treatment of depression, Novel agents in drug dependence: never ending saga, Clinical Trials in Neuropsychopharmacology: Issues of Neuropsychopharmacology in special population,

Risk and benefits of novel Neuropsychopharmacological molecules to heart, Utility and impact of magic molecules on Parkinson disease and dementia, Role of molecules of Neuropsychopharmacology in neuro trauma, Role of depot antipsychotics in the current era of psychopharmacology : Patient choice, patient adherence, and treatment efficacy, Three Famous Trials in Neuropsychopharmacology: A critical appraisal, Molecular advances in childhood onset ADHD, Neuropsychopharmacology of Dual Diagnosis: Drugs in the pipeline, or simply pipe dreams?, Neuropsychopharmacogenomics: conceptual reality or awaiting dream?, Discovery of Antidepressants: Blending past with future,

**Key persons** : V Vahia, A Avasthi, C Andrade, I Sharma, A Rady, L Bairy, A Gandhi, S Sonteneni, M Baheti, A Agrawal, N Gupta, SP Kalantri, P Sharan, D Basu, S Pathak, R Ghosh

## Psychiatry

**Theme** : **World Schizophrenia Day**  
**Date** : 24 May 2012  
**Activities** : Awareness Programme, Skits

**Theme** : **World Mental Health Day**  
**Date** : 10 Oct 2012  
**Activities** : Lecture and panel discussion on how to prevent addiction in young generation discussion

*Medical education technology and research methodology workshops organized have been listed separately*

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# Medical Education Unit

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The Medical Education Unit was formally started in 1994 as per the MCI guidelines. This unit provides inhouse training to faculty, postgraduates, interns and students on various teaching learning modules, research methodology, communication skills etc.

A Clinical Skills Laboratory has been developed for innovative teaching of clinical skills to students. Cubicles have been made with storage space for manikins and demonstration tables. These cubicles will also be used for conducting OSCE/OSPE.

## FACULTY

Dr BS Garg	:	Dean and Honorary Director
Dr PV Shivkumar	:	Coordinator
Dr MVR Reddy	:	Member
Dr Smita Singh	:	Member
Dr A Gupta	:	Member
Dr SS Gupta	:	Member
Dr VB Shivkumar	:	Member
Dr Anshu	:	Member
Dr Kalyan Goswami	:	Member
Dr Sonia Jain	:	Member
Dr Chetna Maliye	:	Member
Dr AM Tarnekar	:	Member
Dr JE Waghmare	:	Member
Dr Ben-hur Premendran	:	Member

The following faculty members have received fellowships from FAIMER (Foundation for Advancement of International Medical Education and Research) Regional Institutes.

Dr Anshu	:	CMCL-FAIMER Regional Institute 2007, FAIMER Institute Philadelphia 2009
Dr SS Gupta	:	PSG-FAIMER Regional Institute 2007
Dr S Singh	:	GSMC-FAIMER Regional Institute 2007
Dr A Gupta	:	GSMC-FAIMER Regional Institute 2007
Dr K Goswami	:	CMCL-FAIMER Regional Institute 2008
Dr CH Maliye	:	PSG-FAIMER Regional Institute 2010
Dr MVR Reddy	:	GSMC-FAIMER Regional Institute 2011

Dr Anshu has been awarded the International Fellowship in Medical Education in 2012-14 from FAIMER to pursue her Masters in Health Professions Education from Maastricht University.

Dr Smita Singh is faculty and resource person for GSMC-FAIMER Regional Institute, Mumbai. Dr Anshu is faculty for GSMC, CMCL, PSG FAIMER regional institutes and for Advanced Workshops conducted by Dept of MET, MUHS, Pune and global faculty at FAIMER-Institute Philadelphia.

## ACTIVITIES ORGANIZED

**Basic Workshop in Medical Education Technology: 28-30 Aug 2012**

**MCI Observer from Regional Centre: Dr S Pathak**

**Workshop Convenor: Dr A Gupta**

Topic	Faculty
Pretest	Dr A Gupta
Introduction & Group Dynamics	Dr VB Shivkumar, Dr A Gupta
Systems Approach	Dr CH Maliye
The Learning Process	Dr AM Tarnekar
Educational Objectives & Taxonomy	Dr CH Maliye, Dr K Goswami
Adult Learning	Dr K Goswami
Introduction to Microteaching	Dr JE Waghmare
Introduction to Curriculum	Dr VB Shivkumar, Dr Anshu
Large group interactive teaching	Dr AM Mehendale, Dr S Jain
Small group teaching	Dr AM Tarnekar
Clinical/ Bed Side teaching	Dr PV Shivkumar, Dr Smita Singh
Appropriate use of Media	Dr B Premendran
Foundation Course	Dr S Pathak
Early clinical exposure	Dr A Rawekar
Integrated Teaching	Dr N Gaikwad
Skill Development	Dr S Pathak
General Principles of Assessment	Dr Anshu, Dr S Singh
Formative and continuous internal assessment	Dr MVR Reddy, Dr A Gupta
Skill of giving feedback	Dr MVR Reddy, Dr Smita Singh
Essay type and short answer questions	Dr AM Mehendale
MCQ & Item Analysis	Dr DK Mendiratta, Dr A Gupta
Question paper setting and Blue printing	Dr Anshu, Dr PV Shivkumar
Long case	Dr OP Gupta
Oral examination (Viva- Voce)	Dr Smita Singh, Dr Anshu, Dr Sonia Jain
OSCE/ OSPE	Dr A Gupta & Dr JE Waghmare
Post test	Dr A Gupta

**Participants:** Dr A Kumar, Dr A Tembhare, Dr A Kaushal, Dr A Tayade, Dr AK Shukla, Dr B Pandya, Dr B Bhole, Dr DG Damhare, Dr M Pethe, Dr N Kumar, Dr NK Singh, Dr O Bobade, Dr P Wankhede, Dr P Reddy, Dr PS Dhande, Dr P Kumar, Dr P Chavhan, Dr P Khairkar, Dr P Kale, Dr P Sanghvi, Dr R Attal, Dr S Agarwal, Dr S Yeole, Dr S Waghmare, Dr S Reddy, Dr S Lohiya

### **Workshop on Multiple Choice Questions (MCQ) Construction**

**8-9 March 2013**

**Faculty:** Dr Tejinder Singh, Dr PV Shivkumar, Dr Smita Singh, Dr A Gupta, Dr Anshu

**Participants:** Dr Sonia Jain, Dr Sachin Pawar, Dr Vinod Suryabhan Shende, Dr Pooja Reddy, Dr Devesh D Gosavi, Dr Vijayshree Deotale, Dr Indrajit L Khandekar, Dr Jyoti Jain, Dr BH Tirpude, Dr Srikanth Reddy, Mr GD Saluja, Dr Vishakha Jain, Dr Ajab Dhabarde, Dr Puja Hingorani, Dr Sonu Lohiya, Dr Bhushan Madke

## Workshop on Mentoring

7 March 2013

**Faculty:** Dr Tejinder Singh, Dr Chetna Maliye, Dr Aaditya Tarnekar, Dr Sonia Jain

**Participants:** Dr Abhishek V Raut, Dr Sachin Agrawal, Dr Vishakha Jain, Dr Pooja Reddy, Dr Deepika Garg, Dr Sarmishtha De, Dr Namit K Singh, Dr Varsha H Chauhan, Dr Indrajit L Khandekar, Dr Manish Laxman Taywade, Mr GD Saluja, Dr Sachin Pawar, Dr Vinod Suryabhan Shende, Dr Kanchan Mohod, Dr Vijay K Gujar, Dr Deepashri L Maraskolhe, Dr Kumud N Harley, Dr Pranita J Waghmare, Dr Bharat Ramrao Sontakke, Dr Namit Kant Singh, Dr Ajab Dhabarde, Dr Pooja Batra, Dr Nishant Vitthalrao Bansod, Dr Shobha Pajai, Dr Dhiraj B Bhandari, Dr Vijay S Sharma, Dr Pravin R Zopate

## Basic Workshop in Medical Education Technology: 19-21 Mar 2013

**MCI Observer from Regional Centre: Dr SR Tankhiwale**

**Workshop Convenors : Dr MVR Reddy, Dr Anshu**

Topic	Faculty
Introduction to Workshop	Dr PV Shivkumar, Dr MVR Reddy
Pretest	Dr MVR Reddy
Group Dynamics	Dr VB Shivkumar, Dr MVR Reddy
Systems Approach	Dr A Gupta, Dr CH Maliye
The Learning Process and Adult Learning	Dr Kalyan Goswami, Dr Anshu
Taxonomy of Learning & Educational Principles	Dr Anshu, Dr AM Tarnekar, Dr JE Waghmare
Introduction to Microteaching	Dr MVR Reddy, Dr Kalyan Goswami
Introduction to Curriculum	Dr VB Shivkumar, Dr Anshu
Large group interactive teaching	Dr SS Gupta, Dr Sonia Jain
Small group teaching	Dr AM Tarnekar, Dr VB Shivkumar
Clinical/ Bed Side teaching	Dr PV Shivkumar, Dr Sonia Jain
Appropriate use of Media	Dr BH Premendran, Dr JE Waghmare
Foundation Course	Dr S Pathak
Early clinical exposure	Dr Tripti Srivastava
Integrated Teaching	Dr S Pathak
Skill Development	Dr SR Tankhiwale
General Principles of Assessment	Dr Anshu, Dr S Singh
Formative and continuous internal assessment	Dr CH Maliye, Dr Anshu
Importance and Skills of giving feedback	Dr MVR Reddy, Dr Smita Singh
Supply type questions	Dr Sonia Jain, Dr PV Shivkumar
MCQ & Item Analysis	Dr DK Mendiratta, Dr A Gupta
Question paper setting and Blue printing	Dr SS Gupta, Dr BH Premendran
Long case	Dr SP Kalantri
OSCE/ OSPE	Dr A Gupta, Dr BH Premendran
Oral examination (Viva- Voce)	Dr Smita Singh, Dr Anshu, Mrs Ruchi Kothari
Post test	Dr MVR Reddy

**Participants:** Dr Ajab Dhabarde, Dr Pradeep Deshmukh, Dr Kavita Saharan, Dr Sachin A Badge, Dr Vijay Gujar, Dr Iadarilalg Tiewsoh, Dr Akash Bang, Dr Manish A Jain, Dr Surekha Tayade, Dr Ashwin Sontakke, Dr Purvasha Narang, Dr Digambar Ramchandra Dashatwar, Dr Manish Puttewar, Dr Mrinalini Fulzele, Dr Virendra Vyas, Dr Abhishek Raut, Dr KR Patond, Dr Ramesh Kumar Pandey, Dr Apurv Mahalle, Dr AT Kamble, Dr MS Jakhar, Dr Shrikant Meshram, Dr Pooja Hingorani, Dr Amrish Saxena, Mr Pradeep Bokariya

# Research Methodology Workshops

The following research methodology workshops were organized by the Medical Education Unit and the Clinical Epidemiology Unit for faculty, students and nursing faculty:

## Workshop in Research Methodology for Nursing College Faculty

**24- 27 April 2012**

**Coordinator: Dr Ramji Singh**

Topic	Resource Person
Introduction to Research Methodology	Dr Ramji Singh
Writing a Research Protocol	Dr Ramji Singh
Observational Epidemiological Studies	Dr Pradeep Deshmukh
Diagnostic Accuracy Research	Dr Vishakha
Sampling methods & Sample size	Mr MS Bharambe
Literature search	Dr Anshu
Qualitative research	Mr PV Bahulekar
Experimental Designs	Dr Jyoti Jain
Designing Questionnaire	Dr Pradeep Deshmukh
Ethical aspects of research	Dr MVR Reddy
Data analysis & Presentation	Mr MS Bharambe
Critical evaluation of journal article	Dr Chetna Maliye

**Participants:** Sr Vinaya Annese KP, Mrs Sadhana Thakre, Mrs Ancy Ramesh, Mrs Asha Khobragade, Mrs Neeta Walokar, Mrs Vidya Sahare, Mr Vinay Gawali, Ms Usha M Shende, Mr Akash Pundlik Yelmule, Mrs Annie Mathai, Mrs Jayshri Pradhan, Mr Anurag Robert Gardia, Ambore NV, Ancy Varkey, Bais SU, Balvir MU, Bincy Jacob, Dhanvij SK, Muley RP, Paleriya AM, Shalet Alex, Shambharkar AY, Shinto Thomas M, Soge V, Wasnik AM, Yohannan SB

## Workshop in Research Methodology for Post-Graduate students

**6-12 Aug 2012**

**Coordinator: Dr Ramji Singh**

Topic	Resource Person
Introduction to Research Methods and Scope of Research	Dr BS Garg
Sampling methods & Sample size	Mr MS Bharambe
Observational epidemiological studies (cross-sectional, case-control & cohort)	Dr PV Shivkumar
Diagnostic Accuracy Research	Dr Pradeep Deshmukh
Literature Search	Dr Anshu



Designing a Questionnaire	Dr Subodh S Gupta
Experimental & quasi-experimental designs	Dr Jyoti Jain
Qualitative Research	Mr PV Bahulekar
Data analysis & presentation	Dr Mr MS Bharambe
Construction of Research Protocol	Dr Ramji Singh
Ethical aspects of research	Dr MVR Reddy
Critical evaluation of a journal article	Dr Chetna Maliye

**Participants:** Satish Waghmare, Amit Rapelliwar, Chowre BK, Varsha Gajbhiye, Shanta Das Sutradhar, Santanu Das, Prasanta Kumar Das, Rajesh Ramteke, Sachin Meena, Anil Meshram, Sanket Hiware, Azmat Ansari, Akash Jivane, Vandna Yadav, Preeti Jakhar, Vaishali Rathod, Raju Gore, Snehal Pal, Imran, Apeksha, Amol Bele, Chayan Sarkar, Kaushal Anand, Siddharth Mendiratta, Abhay Deshmukh, Akshay Phadke, Manish Kumar, Amita Dhawas, Shruti Maliye, Nitin Khedre, Avanti Gulhane, Dipanan Sarkar, Ramdas Ransing, L Karthiyayini, Ashwini Kalantri, Amit Kumar

### **Workshop in Research Methodology for postgraduates**

**17-24 Sep 2012**

**Coordinator: Dr Ramji Singh**

<b>Topic</b>	<b>Faculty</b>
Introduction to Research Methods and Scope of Research	Dr BS Garg
Sampling methods & Sample size	Mr MS Bharambe
Literature Search	Dr Anshu
Designing a questionnaire	Dr Abhishek Raut
Ethical aspects of research	Dr MVR Reddy
Cross-sectional study, Case-control study, Cohort study	Dr PV Shivkumar Dr Shuchi Jain
Experimental & quasi-experimental designs	Dr Subodh S Gupta
Diagnostic Accuracy Research	Dr Pradeep Deshmukh
Data analysis & presentation	Mr MS Bharambe
Construction of Research Protocol	Dr Pradeep Deshmukh
Qualitative Research	Mr PV Bahulekar
Critical evaluation of a journal article	Dr Chetna Maliye

**Participants:** Radhika Kothari, Suraj Wagh, Nandkishor Bankar, Priyamvada Singhal, Shubhangi Mangam, Charles Minz, Kishor Ughade, Atulsingh Rajput, Raman Sharma, Prashanti Niwant, Deepshikha Jain, Yogendra Waratkar, Priya Anand, Sangram Deshmukh, Nitu Khadse, Pramod Kumar, Ritu Singh, Manisha Rewatkar, Rekha Kumari, Lokesh Kumar, Kameshwar Prasad, Abdul Aziz, Rucha Sanap, Roshani Ramteke

**Basic Workshop in Research Methodology for faculty**  
**7-12 Jan 2013**  
**Coordinator: Dr Anshu**

<b>Topics</b>	<b>Faculty</b>
Introduction to Research Methodology	Dr BS Garg
Study Designs-1: Descriptive Studies	Dr BS Garg
Study Designs-2: Case-Control studies	Dr SP Kalantri
Study Designs-3: Experimental studies	Dr SS Gupta
Group Activity 1: <ul style="list-style-type: none"> <li>Develop Research Questions &amp; related hypothesis</li> <li>Why the topic was selected</li> <li>What is the type of study and reason thereof</li> <li>Identify dependent &amp; independent variables in the study</li> </ul>	Dr BS Garg Dr SP Kalantri Dr SS Gupta Dr Anshu
Types of data & Data Presentation	Mr MS Bharambe
Literature Search	Dr Anshu
Group Activity 2: Search references related to the topics finalized and discussed in Group Activity 1	Dr Anshu Dr SS Gupta, Dr SP Kalantri
Inferential statistics	Mr MS Bharambe
Sampling: Methods & sample size	Mr MS Bharambe
Group Activity-3 Groups discuss & present <ul style="list-style-type: none"> <li>Sampling method adopted for the study</li> <li>Sample size</li> <li>Generate at least 3 dummy tables</li> </ul>	Dr SP Kalantri Mr MS Bharambe Dr SS Gupta Dr BS Garg
Group Activity-4: Groups discuss the inferential statistics to be applied for the study design discussed in earlier exercises	Dr SP Kalantri, Mr MS Bharambe Dr SS Gupta, Dr BS Garg
Designing a Questionnaire	Dr Anshu
Writing a Research Protocol	Dr MVR Reddy
Ethical Issues in Medical Research Evaluation of Diagnostic test	Dr MVR Reddy Dr BS Garg
Critical evaluation of Journal article	Dr SS Gupta
Group activity 5: Presentation & critical evaluation of two articles	Dr SS Gupta, Dr MVR Reddy
	Mr MS Bharambe, Dr Anshu
Qualitative Research Methods	Dr Anshu
Data Analysis using Excel & EPI INFO	Mr MS Bharambe

**Participants:** Dr MR Shende, Dr AR Chaudhari, Dr Vijayshree Deotale, Dr SK Kale, Dr Sonia Jain, Dr Poonam Varma Shivkumar, Dr Aaditya Tarnekar, Dr Vandana Wankhede, Dr Sucheta Tidke, Dr VJ Vyas, Dr JE Waghmare, Dr BK Mehra, Dr Neelam Garg, Dr Kumud Harley, Dr Satish Kumar, Dr Shuchi Jain, Dr Devesh Gosavi, Dr Ranjana Kale, Dr Manish Jain, Dr Bipin Tirpude

**Basic Workshop in Research Methodology for faculty**  
**18-22 Feb 2013**  
**Coordinator: Dr PR Deshmukh**

<b>Topic</b>	<b>Faculty</b>
Introduction to Research Methodology	Dr SP Kalantri
How to write a good research question	Dr SP Kalantri
Group Activity 1: <ul style="list-style-type: none"> <li>Develop Research Questions &amp; related hypothesis</li> <li>Why the topic was selected</li> </ul>	Dr SP Kalantri Dr SS Gupta Dr CH Maliye
Study Designs-1: Observational studies (Cross-sectional, Case-control & Cohort)	Dr PV Shivkumar Dr PR Deshmukh
Study Designs-2: Experimental studies	Dr SS Gupta
Group Activity-2: <ul style="list-style-type: none"> <li>Each group to design and present a study based on RQ they have developed in Group Activity 1</li> <li>What is the type of study and the reason thereof</li> <li>Identify independent &amp; dependent variables</li> </ul>	Dr Poonam Shivkumar Dr SS Gupta Dr PR Deshmukh
Qualitative Research Methods	Dr CH Maliye
Literature Search	Dr Anshu
Group Activity 3: Search references related to the topics finalized and discussed in GA-1	Dr Anshu Dr SS Gupta Dr PR Deshmukh Dr CH Maliye
Types of data & data presentation	Dr BS Garg
Sampling: Methods & Sample size	Mr MS Bharambe
Group Activity-4: Groups will discuss & present <ul style="list-style-type: none"> <li>Sampling method adopted for the study</li> <li>Sample size</li> <li>Generate at least 3 dummy tables</li> </ul>	Mr MS Bharambe Dr SS Gupta Dr PR Deshmukh
Designing a Questionnaire (Including Group activity)	Dr Anshu
Inferential statistics	Dr PR Deshmukh
Group Activity-5: Groups will discuss the inferential statistics to be applied for the study design discussed in earlier exercises	Mr MS Bharambe Dr SS Gupta Dr PR Deshmukh
Writing a Research Protocol	Dr MVR Reddy
Evaluation of Diagnostic test	Dr BS Garg
Ethical Issues in Medical Research Groups to identify ethical issues in their studies	Dr MVR Reddy
Critical evaluation of Journal article including group activity	Dr SS Gupta

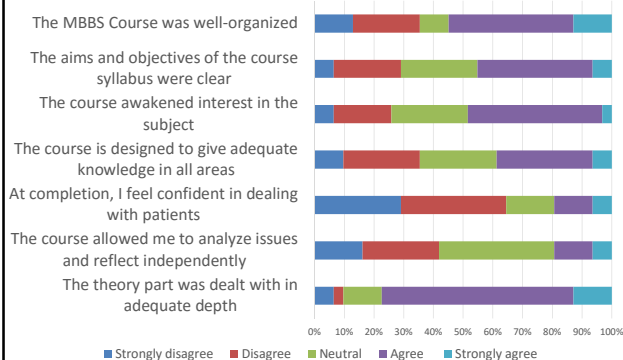
**Participants:** Dr Dipak C Thamke, Dr VB Shivkumar, Dr Surekha Tayade, Dr Pramod Jain, Dr KR Patond, Dr CM Badole, Dr Kalyan Goswami, Dr Atul Tayade, Dr AM Mehendale, Dr D Damhare, Dr PS Dhande, Dr Benhur Premendran, Dr Bhushan Madke, Dr UN Jajoo, Dr Amrish Saxena, Dr PS Nagpure, Dr M Puttewar, Dr Ajab Dhabarde, Dr Sonu Lohiya, Dr Pooja Bang, Dr AK Shukla, Dr Smita Singh, Dr Asoke K Pal, Dr PN Murkey, Dr Shobha Pajai, Dr AT Kamble, Dr Siddharth Rao

# Students' feedback

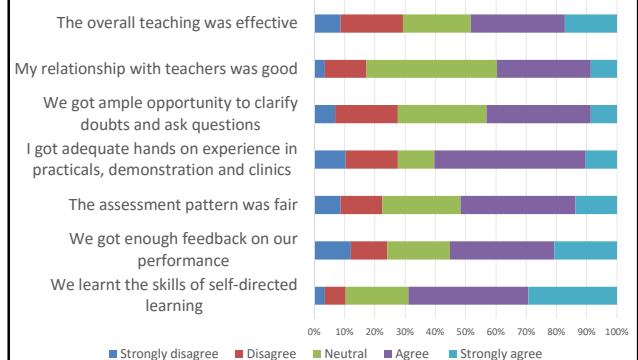
2011-12

## OVERALL FEEDBACK ON ACADEMIC ENVIRONMENT AND INFRASTRUCTURE

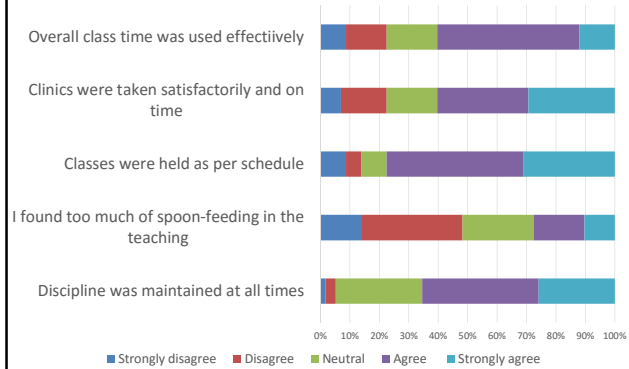
### Course evaluation



### Course evaluation (Contd.)



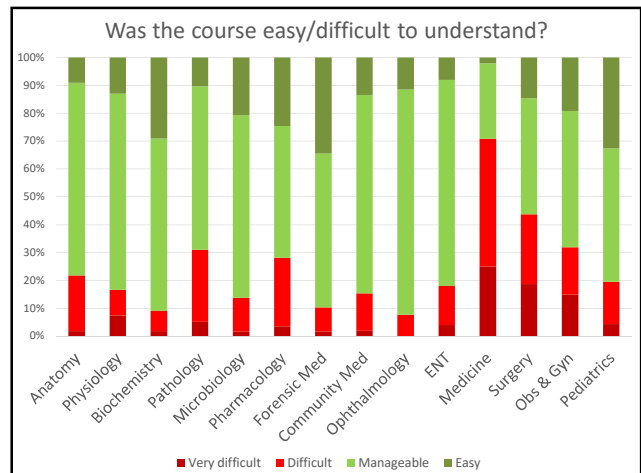
## Course evaluation (Contd.)

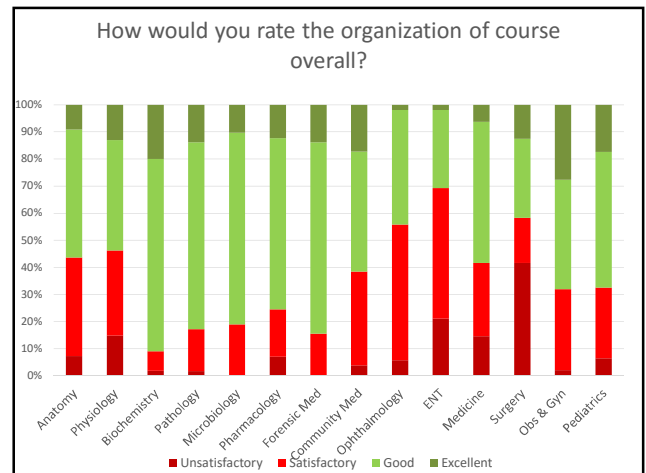
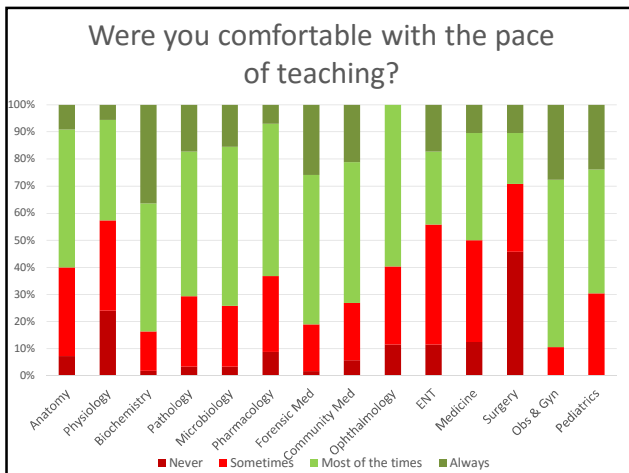
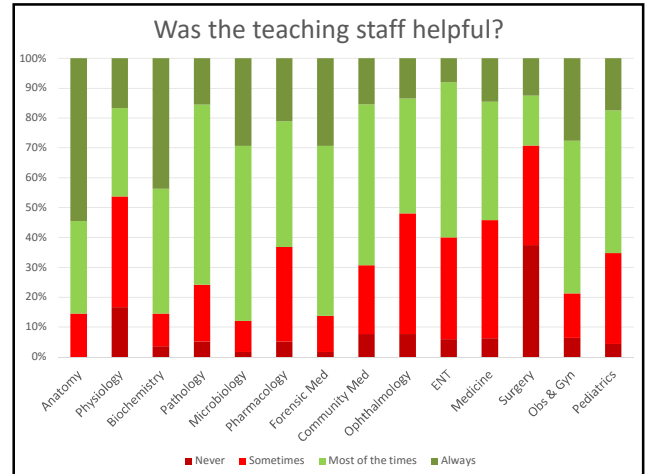
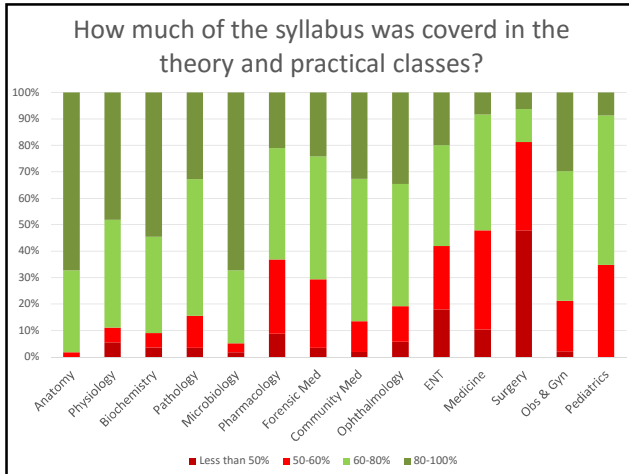


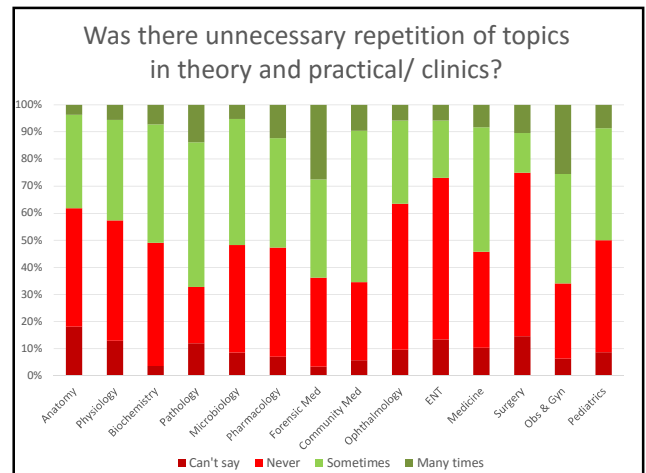
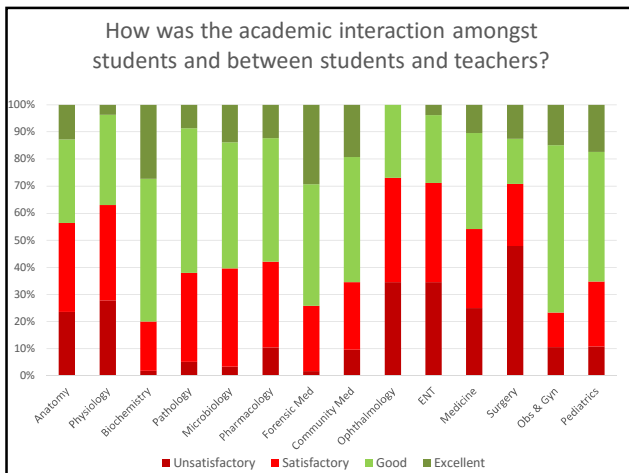
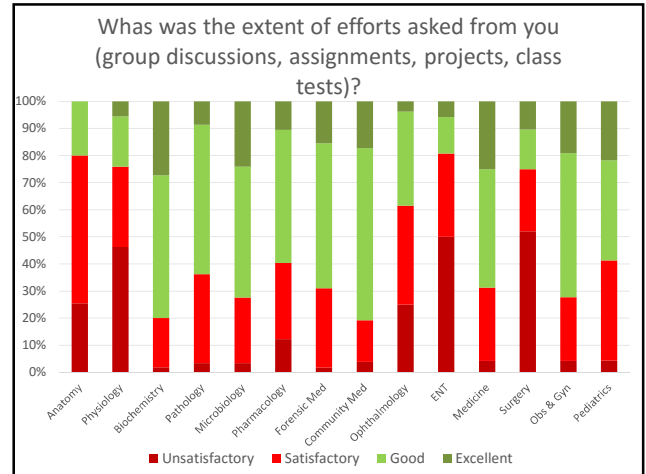
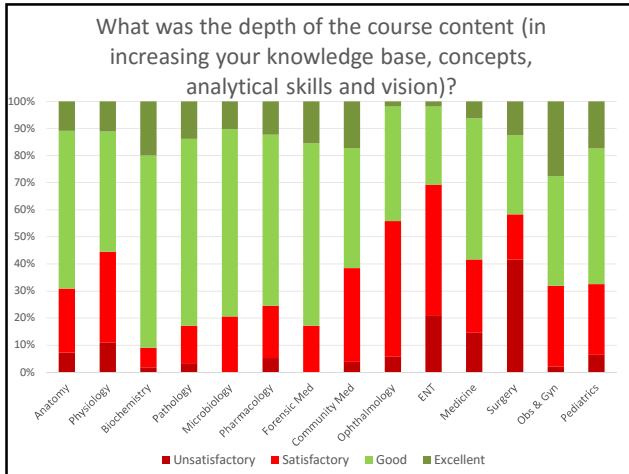
## SUBJECT-WISE FEEDBACK

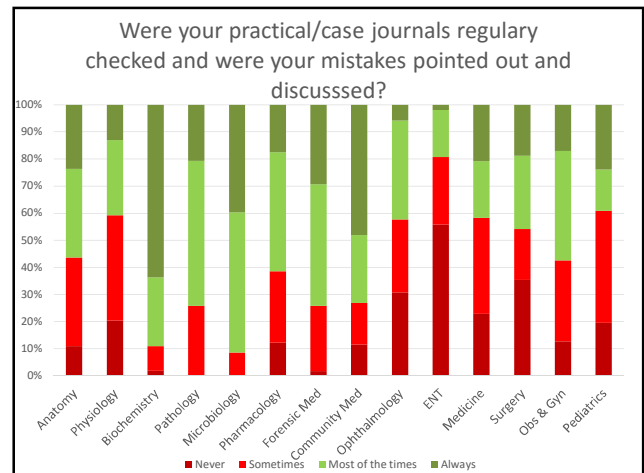
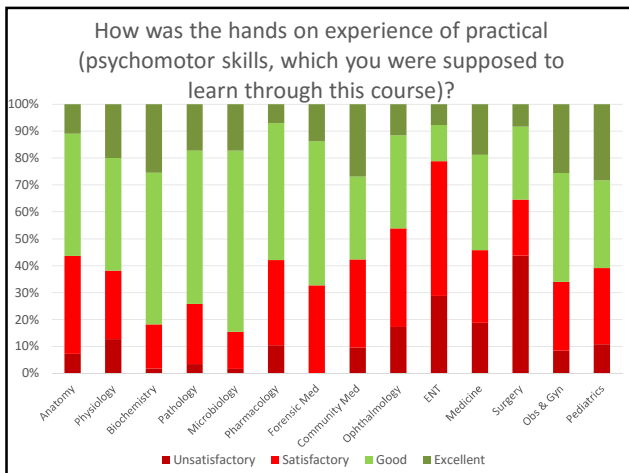
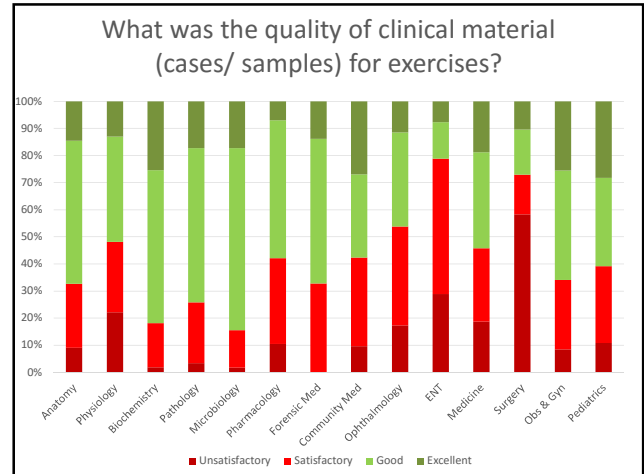
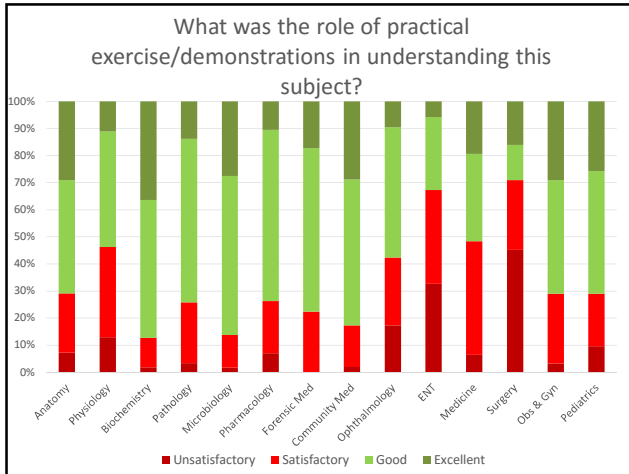
### Feedback received from the following batches for

- 2008: Medicine, Surgery, Obs/Gyn, Pediatrics
- 2009: Community Medicine, ENT, Ophthalmology
- 2010: Pathology, Microbiology, Pharmacology, Forensic Medicine
- 2011: Anatomy, Physiology, Biochemistry

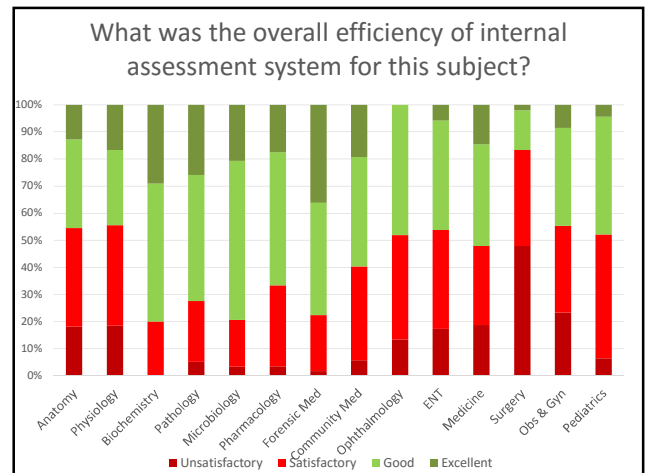
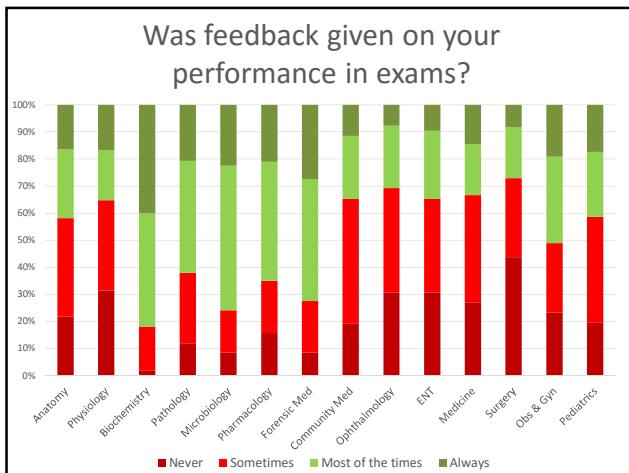
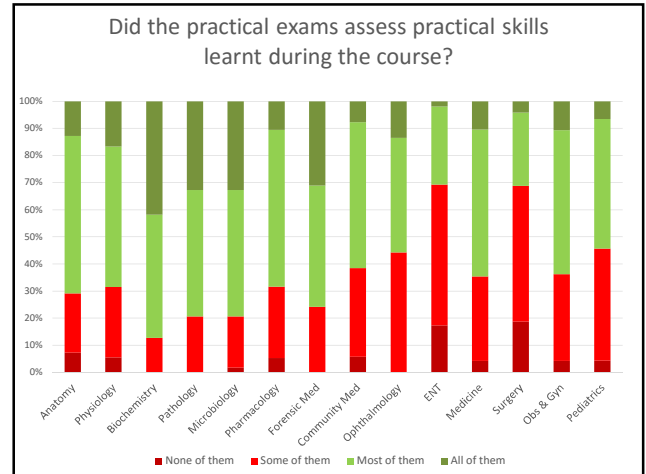
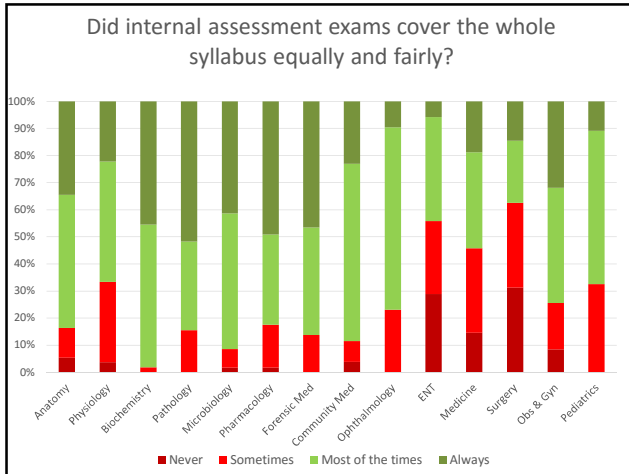












# Funded Research

		Grant (Rs. in Lakhs)
Anatomy	<b>Genetic study in human male infertility related to microdeletions of Y chromosome in Idiopathic cases of azoospermia and oligospermia</b> Pal AK Funded by ICMR, 2010	25.00
Biochemistry	<b>Establishment of repository of filarial parasites and reagents</b> Reddy MVR, Goswami K Funded by DBT, 2012-2017	20.00
	<b>National network for genotyping of human lymphatic filarial parasite <i>Wuchereria bancrofti</i> from different endemic areas</b> Reddy MVR Funded by ICMR, 2011-2012	3.00
	<b>Funds for improvement of S &amp; T Infrastructure in Universities and Higher Educational Institutions (FIST) program</b> Reddy MVR Funded by DST, 2011-2015	6.50
	<b>Evaluation of diagnostic potential of adenosine deaminase and its isoenzyme activity in pulmonary, extra pulmonary tuberculosis and HIV –TB co-infection</b> Mohod K, Bang A Funded by UGC, 2013-2014	†
	<b>Assessment of serum adiponectin levels and its association with lipid profile parameters in patients of acute myocardial infarction</b> Harley K Funded by UGC, 2013-2014	†
Community Medicine	<b>Development of Adaptation package for Care for Child Development</b> Garg BS, Gupta SS, Maliye CH Funded by World Health Organization, India Country Office	33.00
	<b>Surveillance of neonatal infection – An ICMR task force Study</b> Garg BS, Maliye CH, Mendiratta DK, Dikshit S, Khairkar V Funded by ICMR, 2011-15	7.49

† Funds Sanctioned, Not received in 2012-13

	<b>Prospective observational study of rotavirus infection in infants in Sevagram</b> Garg BS, Deshmukh PR, Maliye CH, Raut AV, Taywade M Funded by PATH/SIIL, 2011-2013	48.50
	<b>DLHS IV CAB study</b> Garg BS, Bharambe M Funded by NIHFW, 2013	10.75
	<b>Impact Evaluation of Rajiv Gandhi National Crèche Scheme</b> Garg BS, Bharambe MS, Raut AV, Solanki RS, Taywade ML Funded by NIPCCD, 2013	0.63
	<b>Concurrent Monitoring for Quality Improvement in ICDS</b> Garg BS, Deshmukh PR, Maliye CH, Raut AV, Solanki RS, Taywade ML Funded by DWCD/NIPCCD, 2012-13	0.34
	<b>Study on provision of referral services and its impact under RCH/NRHM in Maharashtra</b> Garg BS, Raut AV, Solanki RS Funded by UNFPA, 2012	1.26
	<b>Evaluation of Service NGO in Wardha District, MGIMS, Sevagram</b> Garg BS, Bharambe MS, Solanki RS Funded by SHSRC, Pune, Maharashtra, 2012	0.49
	<b>Evaluation of Functioning of ASHA in ICDS related activities</b> Funded by NIPCCD, New Delhi, 2012	0.43
<b>Dermatology</b>	<b>Sexually Transmitted Infections Clinic</b> Kar S Funded by MSACS, NACO, 2009 onwards	#
<b>JBTDRC, &amp; Bioinformatics Centre</b>	<b>Tropical Disease Research Programme for TB diagnostics</b> Harinath BC Funded by KHS, 2012-13	3.00
	<b>Antitubercular Bioassays of Plant and Marine algal extracts</b> Harinath BC, Waghmare P Funded by CSIR -Central Salt & Marine Chemicals Research Institute, Bhavnagar, Gujarat, 2013 - 15	3.60
	<b>Biochemical and molecular characterization of mycobacterial ES-31 serine protease</b> Harinath BC GeNext Genomics Pvt. Ltd., Nagpur.	†

# Funds continued from previous years

† Funds Sanctioned, Not received in 2012-13

	<b>Sub-Distributed Information Centre under BTISnet Program including additional grant for SEVAMED</b> Harinath BC Funded by DBT 2012-13	9.21
<b>Medicine</b>	<b>HOPE-3 Study: Heart Outcomes Prevention Evaluation</b> Kalantri SP, Yelwatkar S Funded by Population Health Research Institute, St. John's Medical College, Bengaluru	0.20
	<b>SPREAD: Secondary prevention of coronary events after discharge from hospital: A randomized controlled trial</b> Kalantri SP Funded by Population Health Research Institute, St. John's Medical College, Bengaluru	0.50
	<b>PREPARE: Primary prevention strategies at the community level to Promote treatment Adherence to prevent cardiovascular disease</b> Kalantri SP Funded by Population Health Research Institute, St. John's Medical College, Bengaluru	3.00
	<b>A randomized open trial comparing structured community health worker interventions to standard care in Type 2 diabetes mellitus</b> Jain V Funded by Population Health Research Institute, St. John's Medical College, Bengaluru	3.20
<b>Microbiology</b>	<b>Multi Center study on antimicrobial resistance monitoring of Salmonella typhi and Salmonella paratyphi – A – An attempt to make national guidelines to treat enteric fever</b> Mendiratta DK, Thamke D Funded by ICMR, 2010 onwards	0.6
	<b>Confirmation of diseases of public health importance under the IDSP (Integrated Disease Surveillance Project) State surveillance network (Referral Lab.)</b> Mendiratta DK, Deotale V, Maraskolhe D Funded by Govt. of Maharashtra, 2010-2013	2.0
	<b>Sentinel Surveillance Hospital for Vector Borne Disease</b> Mendiratta DK, Attal R Funded by Govt. of Maharashtra, 2011 onwards	1.0
<b>Obs/Gyn &amp; Microbiology</b>	<b>Prevention of Mother to Child Transmission of HIV/AIDS</b> Chhabra S, Mendiratta DK Funded by Govt. of Maharashtra, 17 Sep 2002 onwards	*

\* Emoluments directly paid by Govt

<b>Obs/Gyn</b>	<b>Emergency Obstetric Care</b> Chhabra S, Shivkumar PV Funded by Govt of Maharashtra, Govt of India, FOGSI, AVNI Foundation, 2008 onwards	<b>#</b>
	<b>Near Miss Project</b> Chhabra S, Shivkumar PV, Tayade S Funded by Bill & Melinda Gates Foundation, 2012 onwards	1.28
<b>Ophthalmology</b>	<b>Sentinel Surveillance Unit (Under National Program for Control of Blindness )</b> Shukla AK , Garg BS , Singh S, Mehendale AM Ministry of Health and Family Welfare (Govt. of India ), 2012-13	2.5
<b>Pathology</b>	<b>Rural Population Based Cancer Registry of Wardha District</b> Gangane NM Funded by ICMR, New Delhi	24.00
	<b>Expression of vascular endothelial growth factor (VEGF) protein in endometrium of women with menorrhagia and its correlation with endothelial cell proliferation</b> Gangane NM, Chhabra S, Joshi D Funded by ICMR, New Delhi	3.7
	<b>p53 and ras mutations in oral cancer in Central India</b> Gangane NM Funded by UICC and NIH	4.5
	<b>“HPV” Ahead</b> Gangane NM Funded by IARC	7.5
<b>Pediatrics</b>	<b>Clinical evaluation of Ayurvedic coded drug (AYUSH MANAS) in the management of “Manas Mandata (Mental retardation)</b> Jain M Central Council for Research in Ayurvedic Sciences, Dept of AYUSH, MoHFW, Gol, 2011-2014	37.00
<b>Pharmacology</b>	<b>Pharmacovigilance Project</b> Verma SK, Gosavi D, Kale R, Pethe M Funded by GOI	*
<b>Physiology</b>	<b>Electrophysiologic studies in Lumbo-sacral radiculopathy</b> Pawar S Funded by UGC, New Delhi	1.43
	<b>Study of Somato-sensory Evoked Potential (SSEP) in Lumbosacral radiculopathy</b> Pawar S Funded by Kasturba Health Society	0.1

\* Emoluments directly paid by Govt  
# Funds continued from previous years

## Ongoing Research (Non-Funded)

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- |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Anatomy</b>      | <ul style="list-style-type: none"><li>• Effect of chronic exposure of ibuprofen on retina of mice</li><li>• Effect of chronic exposure of ibuprofen on myocardium of mice</li><li>• Effect of chronic exposure of ibuprofen on kidney of mice</li><li>• Effect of chronic exposure of ibuprofen on liver of mice</li><li>• Effect of neonatal exposure of aspartame on retina and skeletal muscles of Swiss albino mice</li><li>• Effect of ondansetron, insulin and acyclovir on developing chick embryo</li><li>• Effect of neonatal exposure of aspartame on kidneys of Swiss albino mice</li><li>• Dermatoglyphics in Infertile males with oligozoospermia &amp; azoospermia</li><li>• Effect of aspartame on myocardium of mice- a histological study</li></ul> |
| <b>Anesthesia</b>   | <ul style="list-style-type: none"><li>• Comparison between proseal LMA and endotracheal tube in patients undergoing laparoscopic surgeries</li><li>• Study of morbidity and mortality patterns in patients of non-cardiac surgeries in patients visiting tertiary care rural hospital with defined coronary artery disease</li><li>• Comparative study of low dose intrathecal dexmedetomidine and clonidine as adjuvant to bupivacaine on characteristics of spinal block and duration of post operative analgesia</li><li>• Comparison between IV sedation with dexmedetomidine and midazolam for awake fibre optic intubation in difficult airway</li></ul>                                                                                                       |
| <b>Biochemistry</b> | <ul style="list-style-type: none"><li>• Assessment of anti-inflammatory activity and therapeutic potential of filarial protein in inflammatory arthritis using rat model</li><li>• Comparative assessment of biochemical and immunological markers in tuberculosis</li><li>• Study of cord blood lipid profile at a tertiary level rural hospital</li><li>• Study of therapeutic potential of certain herbal agents against human lymphatic filarial nematode and exploration for possible rationale</li></ul>                                                                                                                                                                                                                                                       |
| <b>ENT</b>          | <ul style="list-style-type: none"><li>• Study of medical and surgical treatment in chronic rhino sinusitis</li><li>• Prospective study of sensorineural hearing loss of patients of head and neck cancer receiving radiotherapy and chemotherapy</li><li>• Comparative study of three autologous graft used in surgical management of tubotympanic CSOM</li><li>• Hearing status in Industrial workers (noise exposure)</li><li>• Study of inferior turbinate hypertrophy in case of deviated nasal septum – its management and follow-up</li><li>• A comparative study of effect of steroid plus antiviral and steroid alone in the treatment of Bell's palsy</li></ul>                                                                                             |

## **Best Practices at MGIMS Sevagram**

### **1. Title of the Practice**

Orientation Camp: A Foundation Course for First MBBS students at MGIMS Sevagram

### **2. Objectives of the Practice**

This orientation camp is conducted for new students joining at MGIMS, Sevagram with the objectives:

- ) To develop a value system based on Gandhian ideology among the new students joining MGIMS, Sevagram
- ) To acquaint students with the social problems facing the country and the Gandhian way to solve these problems
- ) To help students adapt in the new environment at MGIMS, Sevagram
- ) To provide guidance to students to develop personal and professional skills; e.g. working in team, stress management, time management etc.

### **3. The Context**

Education which does not inculcate values has great perils. An important question to be asked for contemporary medical education is: are we producing physicians with robust moral values? There is a need to produce doctors with robust moral values. In most medical colleges in India, no effort is made to develop values among medical students. The Orientation Camp (together with other curricular innovations at MGIMS Sevagram) is an effort to develop a value-based medical education system.

When students join a new college, they are excited, but at the same time apprehensive about the new environment. There is a need to build a system which help students adapt easily to the new environment.

### **4. The Practice**

Soon after admission to the Institute, students attend a 15-day orientation course in Gandhiji's Ashram at Sevagram. Renowned scholars in Gandhian thought, followers of Gandhian principles and those who have dedicated themselves in the service of the

underprivileged are invited to take lectures for the students on Gandhian thought. Students are thus helped to appreciate the humanistic dimension of their profession.

The daily routine of the students includes morning and evening all religion prayer, yoga classes and sports. The students engage in self-help by washing their own utensils and cleaning their own clothes. Students also participate in community activities like spinning yarn and in morning and evening prayers embracing all religions.

The students are taught about the relevance of Gandhian ideology in today's world with reference to personal hygiene, environmental sanitation, nutrition and dignity of labour. During the camp, students are oriented to alternative systems of medicine, e.g. yoga and nature cure and spiritual health. In addition, students are also provided guidance on personal and professional development; e.g. communication skills, stress management, time management etc.

## **5. Evidence of Success**

The feedback from students and alumni regarding Orientation camp has always been positive. Students conveyed that the camp made them aware of the current socio-political environment for health, helped them recognize the rights and equal value of all people, gave them the concept of health as a human right and believe in health equity. The camp also helps them develop bond with other students, a sense of security and prevents them from feelings of homesickness and loneliness.

## **6. Problems Encountered and Resources Required**

MGIMS, Sevagram has a unique advantage of being located in vicinity of Gandhi Ashram in Sevagram.

Organizing a residential camp for students, immediately after students enter the college, has its own challenges. Many students find it difficult to adapt to Ashram life and some of them complain about this while they are attending the camp. However, all of them vouch that it is a life-time experience and helped them in several ways.

## **7. Notes**



The Orientation Camp is part of curricular innovation at MGIMS, Sevagram. It is important that it is viewed in totality together with other curricular innovations.

## **Best Practices at MGIMS Sevagram**

### **1. Title of the Practice**

Reorientation of Medical Education (ROME) Camp to prepare medical students for role of primary health care provider

### **2. Objectives of the Practice**

Reorientation of Medical Education (ROME) Camp, a two weeks residential camp at Rural Health Training Center, is conducted at the beginning of the sixth semester for every batch of medical students with the objectives:

- ) To help students understand the health care delivery system and other support systems available in the community in India.
- ) To demonstrate to the students the implementation of National Health Programs
- ) To help students understand the effect of family and social environment in the etiology of diseases
- ) To orient students to manage an illness with the limited resources available
- ) To impart skills to students to conduct community health needs assessment through use of quantitative as well as qualitative methods

### **3. The Context**

Although the aim of MBBS program is to create a basic doctor, who is able to provide primary health care, the medical education in India has miserably failed to do so. Many of our MBBS graduates join the health care delivery system immediately after completing their MBBS. However, we are creating doctors who are not equipped enough to don the role of PHC medical officer, if s/he is posted in a primary health care setting.

### **4. The Practice**

Re-orientation of Medical Education (ROME) camp is a two week residential camp at one of the rural centres of the Department of Community Medicine (DCM). The students stay at the RHTC and do clinical case study, survey for assessment community health needs and other activities in the villages of field practice area of the RHTC.

The camp curriculum focuses on primary health care and attempts to create conditions for the students to gain a hands-on understanding of the nature of rural health problems. The camp is an integrated approach to public health and clinical disciplines where the field clinics for students are arranged within the patient's house. For one week daily in the morning

hours (9am-12pm) faculties from Medicine, Surgery, Pediatrics, OBGY, ENT and Ophthalmology visit the RHTC and take clinical case presentation in the families from a nearby village. Attempt is made to imprint on the minds of budding doctors the role of family, environment and culture on origin, progress of the disease and treatment seeking behavior.

The students are taken for exposure visit to various Government Health Facilities, e.g. Subcenter, Primary Health Center, Rural Hospital and interact with health care providers. Discussions are held on various roles of a PHC medical officer, importance and approaches for community mobilization and health promotion, management of health management information system etc. Interaction with District Health Officer and other District level Program Managers are organized in which implementation of various National Health Programs are discussed.

The students are also given practical exposure on assessment of community health needs. After being trained on the methods of community health needs assessment, the students identify 3-4 issues for community needs health assessment, develop plan, prepare tools, do data collection, analyze data and present their final report it during the valedictory function.

## **5. Evidence of Success**

We regularly collect feedback from students after the camp. Other methods to evaluate these camps have also been utilized time-to-time. Through a forced field analysis conducted on students immediately after completion of their ROME Camp, the main perceived factors helping students to learn was their exposure visit to the Primary health centre, Sub-centre and Anganwadi centre (94.7%), which was an opportunity for them to directly interact and learn from Auxiliary Nurse Midwife and Anganwadi worker (68.4%) (see Note 2). The other positive factors were facilitation of a workshop on Problem-Solving for Better Health (PSBH) (63.2%), interactive sessions of short duration (57.9%) and their participation in community needs assessment surveys on immunization coverage and an exercise on focus group discussion (52.6%). The main factors perceived to work against learning were the fewer interactive sessions within the knowledge-based theory teaching and the statistics used in these sessions (57.8%), the use of lengthy PowerPoint presentations in the lecture sessions (42.1%), and the overly-busy schedule (36.8%). The other problem students noted was that there was too little time given to Epi\_info™ software.

## **6. Problems Encountered and Resources Required**

The ROME Camp is organized at one of the rural health training centers at MGIMS, Sevagram. For a batch of 100 students, we have started organizing camp at two places – Anji

and Bhidi simultaneously. The resources required for organization of the Social Service Camp includes the following:

) **Human resources:** Full support of staff at Rural Health Training Center (this includes Assistant Professor, Post-graduate students, Social Workers and ANMs) throughout the camp. Additionally, clinical specialists for conducting clinics in family environment, more faculty and post-graduate students from community medicine for workshops on community needs assessment, preparation of data collection tools, data collection and analysis.

) **Material resources:** The material resources required are:

- Residential facility at Rural Health Training Center for organization of the camp, arrangement of a temporary kitchen for the camping students.
- Classroom and additional space for group work at Rural Health Training Centers.
- One vehicle to fetch clinicians and faculty members daily from our campus to the RHTCs. Additional vehicles are required on the day of survey for community needs assessment.

## 7. Notes

It is also important to understand Reorientation of Medical Education (ROME) Camp together with other curricular innovations at MGIMS, Sevagram.