

# **D. Y. PATIL EDUCATION SOCIETY**

(DEEMED TO BE UNIVERSITY)

(Declared u/s 3 of the UGC Act 1956)

**Accredited by NAAC with 'A' Grade**



**Dnyanadheenam Jagat Sarvam**

**SELF STUDY REPORT**

**Cycle-2**

**Volume-II**

## **Evaluative Report of the Departments**

Submitted to

**NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL  
BANGALORE-560072**

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## **Evaluative Report of the Department**

# **Anatomy**

## Evaluative Report of the Department

**1. Name of the Department**

Anatomy

**2. Year of establishment**

1989

**3. Is the Department part of a college/Faculty of the university?**

Yes, part of the College.

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

<i>Programme</i>	<i>Courses Name</i>
UG	M.B.B.S
PG	MD
	M.Sc.
Doctoral	Ph.D.

**5. Interdisciplinary programs and departments involved**

Nil

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

**7. Details of programs discontinued, if any, with reasons**

Nil

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

Annual

UG-Two formative at the end of each semester (1 terminal and 1 preliminary exam) and one summative (annual).

PG- 3 exams formative at the end of the each year.

One summative at the end of the course.

**9. Participation of the department in the courses offered by other departments**

The department is involved in teaching of the courses offered by the following other departments.

- Certificate course with the department of orthopedics.
- M.Sc Medical Biochemistry.

- M.Sc. Stem cell and Regenerative medicine
- M.Sc. Medical Physics

**10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	2	2
<i>Associate Professor/Reader</i>	1	2	2
<i>Assistant Professor</i>	2	1	1
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>	3	4	4

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>
Dr.Mrs. Nikam V.R.	M.B.B.S. M.S.(Anat.)	Professor & Head	Human Anatomy	24 years
Dr.Mrs. Patil A.D.	M.B.B.S. M.S.(Anat.)	Professor	Human Anatomy	27 years
Dr. Mrs.Gune Anita R.	M.B.B.S. M.S.(Anat.)	Assoc. Professor	Human Anatomy	10 years
Dr.Karmarkar A.S.	M.B.B.S. M.S.(Anat.)	Assoc. Professor	Human Anatomy	14 years
Mr. Pote Anand J.	M. Sc (Anat.Med.)	Asst. Professor	MSc. Anatomy	20 years
Dr. Wagh D.T.	M. Sc (Anat.Med.)	Tutor	Human Anatomy	06 months

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

<i>Sr. No.</i>	<i>Name</i>	<i>Whether Visiting Fellows, adjunct faculty, emeritus professors</i>

Nil

**13. Percentage of classes taken by temporary faculty – program-wise information**

0%. Our department has no temporary faculty.

**14. Program-wise Student Teacher Ratio**

<i>Program</i>	<i>Student Teacher Ratio</i>
UG	13:1
PG Degree	1:1
Ph.D	2.5:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual</i>
<i>Academic Supportive Staff</i>			
Lab Technician	02	02	02
<i>Administrative Staff</i>			
Lab Attendant	04	04	04
Steno / Storekeeper / Clerk	01	01	01
Sweeper	01	01	01

**16. Research thrust areas as recognized by major funding agencies**

Neuro-Anatomy

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Nil

**18. Inter-institutional collaborative projects and associated grants received**  
a) *National collaboration*

1 Title (Alteration in frequency of ulnar loops and 'ATD' angle in congenital heart disease.

b) *International collaboration*

No grants were received.

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

1 project funded by DYPatil University (Rs. 3.50 lakh).

Title- Anatomical study of upper and lower spinal cord blood supply.

**20. Research facility / centre with**

- *state recognition*
- *national recognition*
- *international recognition*

Central Research Laboratory is recognized by BARC, ICMR, DST and DBT.

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Cadaveric laboratory in collaboration with Everest Medical Technologies and supported by Johnson and Johnson Pvt Ltd, Mumbai.

**22. Publications:**

- \* **Number of papers published in peer reviewed journals (national / international):**

48 (National-15, International-21, State-06, Annual journal-06)

As per Medical Council of India, recommended database for medical publications are Scopus, Pubmed, Indexcopernicus, Index Medicus.

- \* **Monographs:**

Nil

- \* **Chapters in Books:**

Nil

- \* **Books edited:**

Nil

- \* **Books with ISBN with details of publishers:**

Nil

- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):**

35

- \* **Citation Index – range / average:**

Yes

Sr. No.	Name and Address	Designation	Total Citation	h-Index
1	Dr.Mrs. Nikam V.R.	Professor & Head	6	1
2	Dr.Mrs. Patil A.D.	Professor	6	2
3	Dr. Mrs.GuneAnita R.	Associate Professor	4	1
4	Dr.Karmarkar A.S.	Associate Professor	5	1

- \* **SNIP:**

- \* **SJR:**

- \* **Impact Factor – range / average:**

- \* **h-index:**

**23. Details of patents and income generated**

Nil

**24. Areas of consultancy and income generated**

Nil

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Nil

**26. Faculty serving in****a) National committees**

- 1) Dr Mrs V R Nikam- Organising secretary for State Conference of Regional Chapter of Anatomy, Maharashtra State.
- 2) Dr Mrs A D Patil- Joint Organising Secretary for State Conference of Regional Chapter of Anatomy, Maharashtra State, Member of Executive Committee for Regional Chapter of Anatomy, Maharashtra State.
- 3) Dr Mrs A R Gune- Member of UNESCO Chair in Bio-Ethics, Kolhapur.

**b) International committees**

Nil

**c) Editorial Boards**

1. Dr. Mrs. Vasudha Nikam (Associate Editor; Annals of Health and Health Sciences, Jazan University, Jazan, Saudi Arabia. and Member of editorial board for Medical journal of D. Y. Patil University, Kolhapur)
2. Dr Mrs Ashalata Patil, Member of editorial board for Medical journal of DYPatil University, Kolhapur)

**d) any other (specify)**

All teaching faculty are the Member of Anatomical Society of India, Regional Chapter of Anatomy Maharashtra and Society of Clinical Anatomist.

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

All the faculty members of the department have undergone the Medical Education Technology training by MEU.

List of CME / Conferences attended by faculty.

Name	Workshop	Conference	Training	MET
Dr.Mrs. Nikam V.R.	5	22		Basic
Dr.Mrs. Patil A.D.	6	26		Basic
Dr R.S.Humbarwadi		6		Basic
Dr. Mrs.Guneanita R.	8	14	1	Basic and Revised
Dr.Karmarkar A.S.	5	18	1	Basic and Revised
Mr. Pote Anand J.	2	9		
Dr. A. R. Burande		11		

**28. Student projects**

- percentage of students who have taken up in-house projects including inter-departmental projects

100% PG students are doing in-house projects.

- percentage of students doing projects in collaboration with other universities / industry / institute

Nil

**29. Awards / recognitions received at the national and international level by**

- Faculty

Nil

- Doctoral / post doctoral fellows

Nil

- Students

First prize for poster presentation at National Conference of Anatomy.

(Dr Satyajit Bhanu)

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Sr No	Date	Workshop Organized/ Conference Organized	Funding Source	Speakers
1	15 and 16-12-2012	National Workshop On "Hands On Cadaver Dissection Of Functional Endoscopic Sinus"(CD Fess-2012)	MCI	<ul style="list-style-type: none"> <li>Dr. Milind Navalakhe</li> <li>Dr. R. S. Mudhol</li> <li>Dr. Shishir Gosavi</li> <li>Dr. Mrs R. S. Mane</li> <li>Dr. Mrs. Maitriyee Kaushikh</li> <li>Dr. Wilson Desai</li> </ul>
2	26 and 27-03-2012	National Workshop On Global Trends In Met With Physiology	MCI ICMR	<ul style="list-style-type: none"> <li>Prof S H Pawar</li> <li>Dr. Mrs A. A. Joshi</li> <li>Dr. Mrs. R. S. Khane</li> <li>Dr. Mrs. A. A. Dharwadkar</li> <li>Dr. Mrs M. G. Kesari</li> <li>Dr. V. G. Jaltade</li> <li>Dr. Mrs. K. C. Wingkar</li> <li>Dr. G. V. Kesari</li> </ul>
3	27-09-2013	Maharashtra State Critical Care Society Conference-MAHACRITICON-2013	Self Funded	<ul style="list-style-type: none"> <li>Dr. Dilip Parajape</li> <li>Dr. Sheila Myatra</li> <li>Dr. Vidyanand Chavan</li> <li>Dr. Yogesh Apte</li> </ul>
4	26 and 27-10-2014	National Symposium On "Current Scenario In Genetics-2013	Self Funded	<ul style="list-style-type: none"> <li>Dr. Mrs Vaishali Patil</li> <li>Dr. Subarna Roy</li> <li>Dr. Anita Kar</li> <li>Dr. R S Humbarwadi</li> <li>Dr Bipin Tiwale</li> </ul>
5	18 and 19-01-2014	National Conference On "Recent Advances In Clinical Embryology"	MCI	<ul style="list-style-type: none"> <li>Dr. Deepti Shastri</li> <li>Dr. Satish Patki</li> <li>Dr. Varsha Samson Roy</li> </ul>

Sr No	Date	Workshop Organized/ Conference Organized	Funding Source	Speakers
				<ul style="list-style-type: none"> <li>• Dr.Sachin Kulkarni</li> </ul>
6	22 and 23-09-2016	3 <sup>rd</sup> State Conference Of Regional Chapter Of Anatomy-Scopotomy 16-Endoscopic Anatomy”	MCI	<ul style="list-style-type: none"> <li>• Dr. Santosh Prabhu</li> <li>• Mr. Anand Pote</li> <li>• Dr. Gaurishankar Ganga</li> <li>• Dr. Aneesh Amte</li> <li>• Dr.Vikas Kulkarni</li> </ul>

### 31. Code of ethics for research followed by the departments

- All research is approved by the Institutional Ethics Committee (IEC) before commencement.
- All research is conducted as GCP-ICH guidelines and the IEC recommendations.

### 32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
I MBBS	2958	101	49	NEET Qualified	NEET Qualified

### 33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MD Anatomy 2016	0%	0%	0%	0%
MD Anatomy 2015	0%	0%	0%	0%
MD Anatomy 2014	0%	0%	0%	0%

### 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

Nil

**35. Student progression**

<i>Student progression</i>	<i>Percentage against enrolled</i>
<i>UG to PG</i>	80-90%
<i>PG to M.Phil, DM / M Ch / DNB</i>	-
<i>PG to Ph.D.</i>	2
<i>Ph.D. to Post-Doctoral</i>	Nil
<i>Employed</i>	90% self employed.
• <i>Campus selection</i>	Nil
• <i>Other than campus recruitment</i>	10%
<i>Entrepreneurs</i>	90%

**36. Diversity of staff**

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	27%
<i>from other universities within the State</i>	63.63%
<i>from universities from other States</i>	9.09%
<i>from universities outside the country</i>	-

**37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period**

Nil

**38. Present details of departmental infrastructural facilities with regard to****a) Library**

- No of books titles-193,  
 Total no. of copies-655,  
 No of journals- titles-28  
 Total number of journals- 128
- National- 55
  - International- 52
  - State- 21
  - e-journals – 5576
  - e books- 11045

**b) Internet facilities for staff and students**

Wi-Fi enabled campus, 18 Nodes in the department.

**c) Total number of class rooms**

- 2 Demo Rooms  
 2 Practical Halls  
 1 Lecture theatre

**d) Class rooms with ICT facility and 'smart' class rooms**

05 classrooms with ICT facility and 04 Smart class rooms.

**e) Students' laboratories**

3

**f) Research laboratories**

2, 1 in the department and 1 central research lab.

**39. List of doctoral, post-doctoral students and Research Associates**

**a) from the host institution/university**

2- Dr Mrs A R Gune, Dr A S Karmalkar

**b) from other institutions/universities**

3

**40. Number of post graduate students getting financial assistance from the university.**

4 in year 2012.

**41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

• M.Sc. Anatomy:

To train more scholars in the field of Anatomy. In this view this specialization was introduced.

• Ph.D. Anatomy:

Now there is need for the research scholar in the field of Anatomy; keeping this in mind this course was introduced-

**42. Does the department obtain feedback from**

**a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes.

- Feedback is taken from faculty in the departmental meeting and also during examination from the examiners.
- Feedback taken is analyzed; the result of the feedback was discussed at the departmental committee meeting.
- The recommendation of the departmental committee is then implemented in a phased manner.
- Action taken report is submitted to the departmental committee by the respective faculty in charge of implementation.

**b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Yes.

Feedback is taken from the students on curriculum and teaching-

learning evaluation. The feedback is analyzed and valid suggestions are put into curriculum committee. Necessary changes are made.

***c. alumni and employers on the programs offered and how does the department utilize the feedback?***

Yes.

Feedback is taken from Alumni and employers and suggestions are taken which are analyzed and necessary changes were made.

***43. List the distinguished alumni of the department (maximum 10)***

Sr No	Year	Name Of Pg Students	Designation
1	2007	Dr. Anita Gune	Associate Professor
2	2007	Dr. Amit Burande	Assistant Professor
3	2007	Dr. Pradya Kulkarni	Assistant Professor
4	2007	Dr. Sharmishtha Ghodkhe	Associate Professor
5	2008	Dr. Arun Karmalkar	Associate Professor
6	2008	Dr. Shalini Choudhary	Assistant Professor
7	2008	Dr. Arnab Bhar	Associate Professor
8	2008	Dr. Suhasini Lamture	Assistant Professor
9	2009	Dr. Priya Patil	Associate Professor
10	2009	Dr. Danish Anwar	Assistant Professor

***44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.***

Sr. No.	Date	Activity
1	07/02/2014	Guest Lecture for P.G. students by Dr.J.K.Patil. Imaging of sectional Anatomy.
2	06/09/2014	Guest Lecture by Dr. Sujata Jagtap under U.M.G.S.
3	10/04/2015	Guest lecture by Dr.B.S.Kitture. Advanced Imaging Techniques and anatomical correlation.
4	26/05/2016	Guest lecture by Dr. Daksha Dixit – Importance of Micro-teaching for Post Graduates.
5	27/05/2016	Guest lecture by Dr.B.S.Benur, Karnataka - Technique of Neck dissection for proper visualization of deep Structures in the neck.

**Conferences / Workshop / Symposium Organized**

Sr. No.	Date	Activity
1	15/12/2012	National Workshop on Hands on Cadaver dissection of functional Endoscopic Sinus Surgery (CD.FESS-2012) along with ENT department.
2	21/01/2013	Anatomical dissection of female pelvis and perineum along with S.S.K.C. Pediatric Surgery Centre.
3	26&27/03/2013	National Workshop on – GLOBAL TRENDS IN MEDICAL EDUCATION TECHNOLOGY. Along with Physiology department.
4	27/09/2013	Workshop on Maharashtra State critical care society conference – Mahacriticon – 2013.
5	26 <sup>th</sup> & 27 <sup>th</sup> Oct. 2013	National Symposium on “Current Scenario in Genetics- 2013” Organized by Dept. of Biochemistry & Dept of Anatomy
6	18-19 January 2014	National Conference on ‘Recent Advances in Clinical Embryology’
7	22/09/2016 & 23/09/2016	MAHACON –III 2016 3rd State Conference of Regional Chapter of Anatomy - ‘SCOPOTOMY 16 – ENDOSCOPIC ANATOMY’
8	17/03/2015	AMAR- Annual Meet of Advanced Research

**45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

UG

- Didactic lectures
- Interactive teaching
- Integrated teaching
- Narrative teaching
- Practicals
- Tutorials
- Seminars
- Group discussion
- Organization of quiz
- Case based learning
- E-learning
- Surveys with exemplifier
- Halting time
- Guided lectures
- Story telling
- Immediate mastery quiz
- Questions/interaction
- Total group response as triggers

PG

- Lecture
- Practical and Clinical
- Discussion
- Microteaching
- Seminars
- Journal Club
- Group Discussion

**46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

- Objectives from the syllabus (as per pathology)
- Feed back is taken from the students.

**47. Highlight the participation of students and faculty in extension activities.**

- In body donation camps.
- For organizing school visits.
- Women's day celebration.
- Celebration of International/National Health days.

**48. Give details of “beyond syllabus scholarly activities” of the department.****Conferences / Workshop / Symposium Organized**

Sr. No.	Date	Activity
1	15/12/2012	National Workshop on Hands on Cadaver dissection of functional Endoscopic Sinus Surgery ( CD.FESS-2012) along with ENT department.
2	21/01/2013	Anatomical dissection of female pelvis and perineum along with S.S.K.C. Pediatric Surgery Centre.
3	26 & 27/03/2013	National Workshop on – GLOBAL TRENDS IN MEDICAL EDUCATION TECHNOLOGY. Along with Physiology department.
4	27/09/2013	Workshop on Maharashtra State critical care society conference – Mahacriticon – 2013.
5	26 <sup>th</sup> & 27 <sup>th</sup> Oct. 2013	National Symposium on “Current Scenario in Genetics- 2013” Organized by Dept. of Biochemistry & Dept of Anatomy
6	18-19 January 2014	National Conference on ‘ Recent Advances in Clinical Embryology’
7	22/09/2016 & 23/09/2016	MAHACON –III 2016 3rd State Conference of Regional Chapter of Anatomy - ‘SCOPOTOMY 16 – ENDOSCOPIC ANATOMY’

**School Visits:**

Sr. No.	Date	Activity
1	18 <sup>th</sup> February of every year	COURT activity.
2	27/12/2012	Visit by Toro Institute for talents – for young scientist
3	09/07/2013	V.S. Khandekar School visit of standard 9th & 10th students.
4	23/12/2013	Organized study tour for XI science students.
5	10/04/2014	Programme on Awareness of Body donation in the Society along with practicing doctors.
6	12/08/2014	School Visit / Study tour for science students.
7	02/01/2015	Visit by Toro Institute for talents for young scientist.
8	09/01/2015 & 10/01/2015	Y. B .Patil School Visit / Study tour for standard 9th & 10th to Department of Anatomy.
9	19/09/2015	Programme on Awareness of Body donation in the society along with practicing doctors.
10	08/12/2015	Y. B .Patil School School visit / Science tour for 9th and 10th Std. Students.
11	15/12/2015	Visit by Toro Institute for talents for young Scientist.
12	10/08/2016	Shantiniketan Vidhyalya School visit / Science tour for 9th and 10th Std. Students.
13	11/08/2016	Y. B .Patil School School visit / Science tour for 9th and 10th Std. Students.
14	12/08/2016 & 20/08/2016	Chatrapati Rajaram High school visit / Science tour for 9th and 10th Std. Students.
15	18/08/2016 & 19/08/2016	D.Y.Patil Junior College Science tour for 11 <sup>th</sup> and 12 <sup>th</sup> Std. Students.
16	01/12/2016	Visit by Toro Institute for talents for young Scientist.
17	17/01/2017	Visit by Vivekanand College for Student of CMLT & DMLT course

**Guest Lecture:**

Sr. No.	Date	Activity
1	06/09/2014	Guest Lecture by Dr. Sujata Jagtap under U.M.G.S.
2	10/04/2015	Guest lecture by Dr.B.S.Kitture. Advanced Imaging Techniques and anatomical correlation.
3	26/05/2016	Guest lecture by Dr. Daksha Dixit – Importance of Micro-teaching for Post Graduates.
4	27/05/2016	Guest lecture by Dr.B.S.Benur, Karnataka - Technique of Neck dissection for proper visualization of deep Structures in the neck.

**49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

NAAC has accredited the University with 'A' Grade in April 2012.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Endoscopic Anatomy, Clinical Embryology
- Publications of papers
- Poster presentation in conferences
- Research projects
- Introduction of Cadaveric workshop centre- Technique of soft embalming developed.

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strengths

- Introduced cadaveric workshop centre to develop first in Maharashtra.
- Manikins laboratory for small group teaching.
- Providing free service for temporary preservation of dead bodies for the society.
- Museum with good quality rare specimens.
- Experienced and enthusiastic faculty.

Weakness

- Time span very less for 1st MBBS students.
- Inadequate external funded projects
- No genetic Laboratory for research
- Low enrollment for PG in Anatomy.
- Inadequate publications in high impact journals.

Opportunities

- Increased feasibility of research on cadavers.
- Formalizing the association with surgical disciplines for anatomical training.
- Increased industrial collaboration.
- Setting of Genetic Lab.

### Challenges

- Introduction of Ultrasonographic Anatomy and Endoscopic Anatomy in the syllabus
- Enhancement of Quality research projects.
- Improvement in Quality of research papers.
- Development of skilled laboratories as neuroanatomy, genetic, embryology and immunohistochemistry.

### ***52. Future plans of the department.***

#### Short Term (Within 5years)

- Advanced Cadaveric Workshop Centre
- Fellowships Certificate courses in Embalming and Histotechniques.
- Create a modular syllabus of Anatomy for UG students.

#### Long Term (Within 10 Years)

- Setting of Genetic Laboratory
- Setting of Cyber Anatomy
- Hosting a International Conference of Anatomy.



## **Evaluative Report of the Department**

# **Physiology**

### Evaluative Report of the Department

**1. Name of the Department**

Physiology

**2. Year of establishment**

1989

**3. Is the Department part of a college/Faculty of the university?**

Yes. Part of a the College

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

<i>Course Level</i>	<i>Course Offered</i>
U.G.	MBBS
P.G.	M.D.
Doctoral	Ph.D.

**5. Interdisciplinary programs and departments involved**

M.Sc Medical Physiology, M.Sc Stemcell, M.Sc, Medical Biochemistry

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

**7. Details of programs discontinued, if any, with reasons**

Nil

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

U.G.

Two formative (1 Terminal & 1 preliminary) & one summative (university examination (annual))

P.G. - Three formative yearly & one summative at the end of course

**9. Participation of the department in the courses offered by other departments**

M.Sc Medical Physiology, M.Sc Stemcell, M.Sc, Medical Biochemistry

**10. Number of teaching posts sanctioned, filled and actual  
(Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	2	2
<i>Associate Professor/Reader</i>	1	2	2
<i>Assistant Professor</i>	2	1	1
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>	3	5	5
<i>Senior Resident</i>			

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Sr.No	Name	Designation	Specialization	Number of Experience in years
01	Dr. Mrs. A.A. Joshi	Professor & Head	Physiology	21 Yrs.
02	Dr. Mrs. P.R. Desai	Professor	Physiology	14 Yrs
03	Dr. Mrs. S.M.Tiwale	Assoc. Professor	Physiology	11 Yrs.
04	Dr. Mrs. I. A. Kurane	Assoc. Professor	Physiology	11 Yrs.
05	Dr. Mrs. A.N.Kumbhar	Asst. Professor	Physiology	05 Yrs.

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

<i>Sr. No.</i>	<i>Name</i>	<i>Whether Visiting Fellows, adjunct faculty, emeritus professors</i>

Nil

**13. Percentage of classes taken by temporary faculty – program-wise information**

0% (there is no temporary faculty in our department)

**14. Program-wise Student Teacher Ratio**

<i>Programme</i>	<i>Student-Teacher Ratio</i>
U.G.	19 : 01
P.G.	01 : 01
Ph.D.	01 : 01

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual</i>
Technician	1	1	1
Store Keeper cum clerk cum Computer operator	1	1	1
Sweepers	2	2	2

**16. Research thrust areas as recognized by major funding agencies**

Pulmonary function test, Autonomic function test, Doppler Umbilical artery study in IUGR cases

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Nil

**18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration**

Nil

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

Sr.No	Name	Name of the guide	Years	Title of the project	Amount sanctioned by ICMR
1	Miss. Suchandra Supriya Kundu	Dr. R. S. Khane	2014	"A Study of Effect of inhaled Pesticides on Pulmonary Function Tests in Farmers".	Rs. 20,000/-

**20. Research facility / centre with**

- *state recognition*
- *national recognition*
- *international recognition*

Central research lab of University is recognized by BARC, ICMR, DST, DBT.

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications:**

- \* *Number of papers published in peer reviewed journals (national / international):*

17

- \* *Monographs:*

Nil

- \* *Chapters in Books:*

Nil

\* **Books edited:**

Nil

\* **Books with ISBN with details of publishers:**

Nil

\* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):**

\* **Citation Index – range / average:**

\* **SNIP:**

\* **SJR:**

\* **Impact Factor – range / average:**

\* **h-index:**

**23. Details of patents and income generated**

Nil

**24. Areas of consultancy and income generated**

- Consultancy on Health Education, Diet & Nutrition and Sex education to the school children.(Shantiniketan, Rajaram High School)
- Consultancy to the Post Menopausal women in the health camp arranged in Kadegaon, Sangli.
- Consultancy to Cotton Mill workers at Sagareshwar Mill near Kadegaon, Sangli.
- Consultancy at Abhay hospital, Narsoba wadi

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Nil

**26. Faculty serving in**

**a) National committees**

Nil

**b) International committees**

Nil

**c) Editorial Boards**

Dr.Mrs,A.A.Joshi, Professor & HOD Member of Editorial board Medical Journal of D.Y.Patil University, Kolhapur, Reviewer for MJDYPU  
Dr.Mrs.A.A.Joshi, Dr.Mrs.P.R.Desai, Dr.Mrs.S.M.Tiwale Ethical Committee, Anti ragging committee, Women Empowerment committee

**d) any other (specify)**

Dr. Mrs. A. A. Joshi, Professor & HOD Member of Board of Studies at KIMS Karad Maharashtra. Member of protocol Scrutiny committee for PG graduate courses as a subject expert at KIMS, Karad

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

Name of Faculty	Conference Attended	CME	Work shop	MET Training	
				Basic	Advance
Dr.Mrs.A.A.Joshi	08	03	03	-	
Dr.Mrs.P.R.Desai	08	02	04	-	
Dr.Mrs.S.M.Tiwale	09	03	05	02	01
Dr.Mrs.I.A.Kurane	12	02	05	-	
Dr.Mrs.A.N.Kumbhar	03	12	01	01	

**All faculty members undergone Basic Training in MET programme**

Name of Faculty	Workshop
Dr.Mrs.A.A.Joshi	GLOBMET- 2012
	ENTER – 2014
	CReATE – 2014
	GLOBMET- 2012
Dr.Mrs.P.R.Desai	ENTER – 2014
	CReATE – 2014
	Bio-Statistics – 2015
	GLOBMET- 2012
Dr.Mrs.S.M.Tiwale	ICON BAP - 2013
	ENTER – 2014
	CReATE – 2014
	Bio-Statistics – 2015
	GLOBMET- 2012
Dr.Mrs.I.A.Kurane	ICON BAP - 2013
	ENTER – 2014
	CReATE – 2014
	Bio-Statistics – 2015
Dr.Mrs.A.N.Kumbhar	“RADIATION & HEALTH” – 2013

GLOBMET 2012	National Workshop on “Global Trends in Medical Education Technology” – GLOBMET- 26 -27 March – 2012 Organized By D.Y.Patil University, Kolhapur.
ICON BAP – 2013	International Conference & Workshop on Basic & Applied Physiology, at Jaipur on 19 <sup>th</sup> December to 22 <sup>nd</sup> December 2013.
“RADIATION & HEALTH” – 2013	Attended Training workshop on “RADIATION & HEALTH” conducted on 12 <sup>th</sup> March 2013 by PSM dept. Seth G.S. Medical College & KEM Hospital, Mumbai.
ENTER – 2014	National Conference & Workshop on “Electro Physiology & Neurology Trends in Electro diagnosis & Research” – ENTER – 2014. On 31 <sup>st</sup> January & 1 <sup>st</sup> February 2014 Organized by Dept. of Physiology at D.Y. Patil University, Kolhapur.
CReATE – 2014	First Joint CReATE Centers Workshop on Ethics, Pharmacovigilance, Biostatistics and Data Management Organized at Govt. Medical College (Goa, India) on November 26 <sup>th</sup> & 27 <sup>th</sup> , 2014.
Statistics – 2015	Workshop on “Applications of Statistics In Medical Research” conducted by the D. Y. Patil University Research Cell during 19 <sup>th</sup> & 20 <sup>th</sup> January 2015.

**28. Student projects**

- percentage of students who have taken up in-house projects including inter-departmental projects**

In house projects the 2% UG students & PG 100% project percentage of students who have taken up in-house projects including inter-departmental projects

- percentage of students doing projects in collaboration with other universities / industry / institute**

Nil

**29. Awards / recognitions received at the national and international level by**

- Faculty**

Dr.Mrs,Sunita Tiwale Completed the Advance MET course & contuning feloship course in MET.

- Doctoral / post doctoral fellows**

Nil

- Students**

Award for best platform presentation for National Workshop on “Electro Physiology & Neurology Trends in Electro diagnosis & Research”-ENTER-2014. Dr. Rajendra Pavaiya

Best poster presentation 2<sup>nd</sup> prize to Dr.Mrs.Sunita Ingale in Pathology conference March 2017.

Dr.M.V.Pujari complited Post Graduate Course (online) in Diabetology in Bosten University School of Medicine

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Workshop/ conferences / CME/Organized	Funded	Sanction Amount (Rs.)	Speakers	Outstanding Participants
National Workshop on “Global Trends in Medical Education Technology” – GLOBMET- 26-27 March-2012	ICMR MMC	50,000/- 50,000/-	Dr.Gouri Dorairajan, Dr.G.V.Kesari Dr.Mrs.A.A.Dharwadkar, Dr.R.N. Raichur, Dr.M.S.Patwardhan, Dr.Mrs.U.R.Kadam, Dr. V.G. Jaltade,	Dr. Kowale, Dr. Mali, Dr. A. Dharwadkar, Dr. Shailesh Bhawe, Dr. Palkar, Dr.Shobha Nallulwar, Dr.Mrs. Snehal Kulkarni, Dr. S. R. Patil
National Conference & Workshop on “Electro Physiology & Neurology Trends in Electro diagnosis & Research” – ENTER - 2014 on 31 <sup>st</sup> January & 1 <sup>st</sup> February 2014	ICMR MMC	50,000/- 50,000/-	Dr.S.P.Walsangkar , Dr.Balkrishnan, Dr.A.G.Joshi, Dr.Bindu Kutti, Dr.Anil D. Purohit Dr.Kalavathi Lakshmapathi, Dr.Mrs.A.A.Dharwadkar, Dr.S.V.Brid.	Dr.Mrs.N.A.Devkar, Dr. M.S.Patwardhan, Dr. A.D.Surdi, Dr. Baji, Dr. Parul Dubey, Dr. V.G. Jaltade, Dr. A.R.Joshi, Dr. Smt.T.B.Bhutada, Dr A. G. Joshi , Dr. K. C. Wingkar,

**31. Code of ethics for research followed by the departments**

- All research is approved by the Institutional Ethics Committee (IEC) before commencement.
- All research is conducted as per the GCP-ICH guidelines and the IEC recommendations.

**32. Student profile program-wise:**

<b>Name of the Program (refer to question no. 4)</b>	<b>Applications received</b>	<b>Selected</b>		<b>Pass percentage</b>	
		<b>Male</b>	<b>Female</b>	<b>Male</b>	<b>Female</b>
IMBBS	2958	101	49	NEET Qualified	NEET Qualified

**33. Diversity of students**

<b>Name of the Program (refer to question no. 4)</b>	<b>% of students from the same university</b>	<b>% of students from other universities within the State</b>	<b>% of students from universities outside the State</b>	<b>% of students from other countries</b>
MD Physiology 2016	0%	0%	0%	0%
MD Physiology 2015	0%	50%	0%	0%
MD Physiology 2014	0%	50%	0%	0%

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.**

Nil

**35. Student progression**

<b>Student progression</b>	<b>Percentage against enrolled</b>
<b>UG to PG</b>	90% P.G. – 100%
<b>PG to M.Phil, DM / M Ch / DNB</b>	Nil
<b>PG to Ph.D.</b>	Nil
<b>Ph.D. to Post-Doctoral</b>	Nil
<b>Employed</b>	
• <b>Campus selection</b>	Not applicable
• <b>Other than campus recruitment</b>	10%
<b>Entrepreneurs</b>	90%

**36. Diversity of staff**

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	10%
<i>from other universities within the State</i>	70 %
<i>from universities from other States</i>	20%
<i>from universities outside the country</i>	NIL

**37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period**

Nil

**38. Present details of departmental infrastructural facilities with regard to****a) Library**

No of Books – 367

No of Journals – 14

No of e-journals – 23

Dissertation – 08

Project report of U.G.-01

Project report of P.G.-08

Project report of faculty-05

**b) Internet facilities for staff and students**

12

**c) Total number of class rooms**

6

**d) Class rooms with ICT facility and 'smart' class rooms**

ICT is 6 and smart class room is - 4

**e) Students' laboratories**

7

Haematology Lab.

Amphibian Lab.

Clinical Lab.

Mammalian Lab.

Yoga Lab

Research Lab and

Central Research Lab

**39. List of doctoral, post-doctoral students and Research Associates****a) from the host institution/university**

Nil

**b) from other institutions/universities**

Mr. Ivon Francis Lewis

**40. Number of post graduate students getting financial assistance from the university.**

Two students got financial assistance

**41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

- Ph.D. Physiology For better prospectus of the candidates.
- To train more scholars in the field of Physiology.
- To train more research workers.

**42. Does the department obtain feedback from**

**a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes. Feedback is taken, analyzed and discussed in departmental curriculum committee and put forth in board of studies and academic council for further consideration and suggestions.

**b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Yes, structured feedback is taken on curriculum and teaching learning evaluation. It is analyzed and suggestions are discussed in the departmental curriculum committee. Necessary changes are made accordingly.

**c. alumni and employers on the programs offered and how does the department utilize the feedback?**

Yes, structured feedback is taken from alumni and employers and analyzed and necessary changes made accordingly.

**43. List the distinguished alumni of the department (maximum 10)**

Sr. No	Name	Designation	Place of Work
1	Dr. Indira A. Kurane	Associate professor	D.Y. Patil Medical College Kolhapur
2	Dr. Amruta N. Kumbhar	Assistant professor	DY Patil Medical College Kolhapur
3	Dr. Geeta S. Kadam	Assistant professor	Bharti Vidyapeeth & Medical College, Sangli
4	Dr. Sohail Ahmed	Assistant professor	Aim Medical College, Patna
5	Dr. Vrushali R. Nalawade	Assistant professor	Prakash Institute of Medical Science & Research, Islampur
6	Dr. Rajendra Pawaya	Assistant professor	Chhatisgadh Govt. Medical College,
7	Dr. Shivleela	Consultant	Radiologist
8	Dr. Abhijit Korane	Consultant	Nephrologists
9	Dr. Arjun Adnaik	Consultant	Cardiologist
10	Dr. Sonali Walsankar	Consultant	Neurologist

**44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.**

- Guest Lecture by Mrs. Amita Jadhav to the Ist MBBS students on 4<sup>th</sup> February 2012. Topic on Doctors & Consumer Act.
- Guest Lecture by Dr. S. R. Patil to the Ist MBBS students on 28<sup>th</sup> March 2013. Topic on Complication in young adult.
- Guest Lecture by Dr. S. R. Patil to the Ist MBBS students on 24<sup>th</sup> March 2014. Topic on Junk food & CVS.
- Guest Lecture by Mrs. Amita Jadhav to the Ist MBBS students on 5<sup>th</sup> September 2015. Topic on Medical Etics.
- Seminar on Blood Groups, Immunity, Blood Pressure, Skeletal Muscle.
- Involvement of students poster presentation in the Workshop on “Electro Physiology & Neurology Trends in Electrodiagnosis & Research”-ENTER-2014 on 31<sup>st</sup> January & 1<sup>st</sup> February 2014.
- DEBATE conducted for Ist year student on 1<sup>st</sup> April 2017 on Doctor & Patient relationship.

**45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

U.G.

- Didactic lectures
- Interactive lecture
- Reflective lectures
- Story telling
- Roll modeling
- Lecture with halting time
- Demonstrations
- Tutorials
- Small group teaching
- OSPE practicals
- Case based learning
- Horizontal integrated teaching
- Vertical integrated teaching
- Students Seminar
- e -Learning
- Early clinical exposure.

P.G.

- Seminar
- Microteaching
- Journal reading

- Lectures & Discussions
- Clinical presentation
- Reverse teaching and
- Tutorials.

**46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

Meeting program objectives :

Knowledge

- Regularly conducted structured teaching program ensures that all updates knowledge required by the students is delivered to them
- Regular updating of the curriculum ensures continuous quality control.
- Regular CMEs, workshops, Guest lecturers ensure that students are in touch with the recent advances in the field.
- Participation in research projects both as a part of mandatory dissertations and faculty projects is used to train students in this field
- Identification of slow learners and guiding them.

Skills

- Manikins are used in lab to train students in necessary skills.
- Procedures are demonstrated and later supervised to give students confidence and independence.

Attitude

- Emphasis on communication skills is done by all faculty during clinical teaching.

Monitoring Learning Outcomes:

- Assessments are regularly conducted in a fair and transparent manner
- Attendance of students is monitored to see its impact on assessment results
- Formative assessments help to understand the pace of students learning
- Discussions during teaching – learning sessions help to assess the students
- Regular monitoring of theses, presentation, seminars and journals discussions by students help the faculty to guide students based on

their current understanding.

- Students are examined periodically and their result are analyzed.
- Progress report is maintained & monitored at regular interval.
- Special guidance is given in groups for the low achievers to improve their performance.

**47. Highlight the participation of students and faculty in extension activities.**

- Lecture on Type of Diet and CVS complications to D. Ed & B. Ed College students total beneficiaries 75 Students
- Health education to school and Junior college students from 8<sup>th</sup> August to 20<sup>th</sup> August 2016. Total beneficiaries 800 students.

Date	School Name
10/08/2016	Shantinikitan English Medium School, Kolhapur
11/08/2016	Y. B. Patil Vidyamandir, Kolhapur
12/08/2016	Chatrapati Rajaram Highschool, Kolhapur
18/08/2016	D.Y.Patil Junior College, Kolhapur
19/08/2016	D.Y.Patil Junior College, Kolhapur
20/08/2016	Chatrapati Rajaram Highschool, Kolhapur

- Lectures on health awareness on National Science Day to 367 Anganwadi Sevikas from Rural & Urban areas of Kolhapur.
- Social awareness about female fetocide, female education, dawry system on International Women's Day in walkathon by posters and banners by Women development cell.
- Contribution of students to create awareness by performing street plays on every republic day-on AIDS , Swachchha Bharat Abhiyaan care of senior citizens.
- School children health camp taken at Kasturba Gandhi Vidyalaya, Gaganbavada on 25<sup>th</sup> February 2017 by department of Physiology. There health education & lecture with video clips was taken on health awareness nutrition & Sex education given by Dr.Mrs.AA.Joshi. Clinical examination & giving the medicines to 143 students at visited along with supportive staff.

**48. Give details of "beyond syllabus scholarly activities" of the department.**

- Students Seminar.
- COURT

- Organization of poster presentation in conferences for the students
- Organization of Quiz
- Participation in yearly activities.
- Publications, conferences, CMEs, workshops, poster presentation & paper presentation year wise

S.No.	Publications
1	'Genetic Basis of Breast Cancer'– Published in Journal of Clinical & Diagnostic Research., May 2012;Vol (6) Page No - 498-502 By Dr.R.S.Khane
2	"Epidemiological Assessment of Goiter" published in Indian Medical Gazette, Sept. 2012; 342-344. By Dr.Deepmala P. Mane,International Publication.
3	'Gender Differences in the Electrocardiogram abnormalities in the Elderly-A Population Survey in India' published in Iranian Journal of Medical Sciences, June 2012; Vol-37 No 2 Page No 92-99,By Dr.R.S.Khane, Dr.A.Surdi, International Publication.
4	"Association of Heart Rate & Blood Pressure with BMI in Children". International Journal of Basic & Applied Physiology Dec. 2013. Vol. – 2 Issue – 1 Page No – 145 to 149. By Dr. I. A. Kurane, Dr.A.B.Kurane, Dr.R.S.Bhatkar , Regional Publication
5	"Physiology of Blood Pressure Regulation". By Dr S.M.Tiwale KMA FLASH , Monthly circulation Indian Medical Association , Kolhapur Branch April – 2013 Vol – 33, Issue - 1 , International Publication - (Impact factor - 0.328)
6	"A Questionnaire based survey of Ist Year MBBS Students about the Teaching Learning Methods of Physiology in Private Medical College".By Dr.R.S.Khane Dr.A.A.Joshi Indian Journal of Research February 2014, Vol – 3 Issue – 2.
7	"Correlation of fetal middle cerebral artery Doppler indices in IUGR pregnancies ". Dr.P.R. Desai*, Dr.R. P. Dahilkar, Dr.S. M. Tiwale, Dr.R. M. Desai & Dr.A. A Joshi.International journal of Biomedical Reasearch.IJBR (2014) 05 (08).
8	"Umbilical Artery Doppler Indices in IUGR Pregnancies" Dr.P.R. Desai*, Dr.R. P. Dahilkar, Dr.S. M. Tiwale, International journal of Biomedical Reasearch. IJBAP3 (1) 2014.
9	"Cardiovascular autonomic response in children with parental history of diabetes mellitus: a comparative study". By Dr.Mrs.Amruta N. Kumbhar*, Dr.L.H.Nikam Medpulse - International Medical Journal, ISSN:2348-2516,EISSN:2348-1897, Vol - 2, Issue 3 <sup>rd</sup> March 2015.
10	"Study of Effect of Smoking on Electrocardiography in Smokers Compared to Non-smokers".By Dr.Mrs.Deepmala J. Yadav, Dr. J.U.Yadav, Dr.Mrs.A.A.Joshi International Journal of Medical and Health Science, April 2015, Vol-4; Issue - 2. ISSN:2277-4505.
11	"Evaluation of Autonomic status in Thyroid Dysfunction by Heart Rate Variability"By Dr.S. M. Tiwale *, Dr.R.P. Dahilkar, Dr.P.R. Desai, Dr.G.S.Kadam, International Journal of Physiology, Hapur, U.P. India. ISSN- 2320-6039, Vol - 3, Page No - 141 to 145, January -June - 2015.
12	" Sympathetic Cardiovascular Function Integrity In Children With Parental History Of Diabetes Mellitus"By Dr.Mrs.Amruta N. Kumbhar*, Dr.L.H.Nikam,International Journal of Resent Trends in Science in Technology Aug. 2015, 16(1):01-06.
13	"Prevalence of Obesity & Related Factors In school going children of affluent Schools of Kolhapur & Note on The Effect of Dietary Hobbits and Physical Activity in Obese Child"By Dr. I. A. Kurane, Dr.A.B.Kurane, Dr. Sandipan Saha .International Journal of Basic & AppliedPhysiology, Vol - 4, Issue - 1, 2015, Page No - 34 to 38.
14	"Study of blood pressure to height ratio and its relation with standard BP percentile charts to detect the pre hyper tension in age group 12 to 15 yrs". By Dr.A.B.Kurane ,

S.No.	Publications
	Dr. I. A. Kurane, Pediatric review: International Journal of Pediatric Research, Oct. - Dec. - 2015, Vol. - 2, Issue - 4, Page No - 159 to 163.
15	“Effect of 4-Allyl-2-Methoxyphenol (Eugenol) on Motor Co- Ordination in Subacute Restraint Stress Induced Wistar Albino Rats”, By Mr. Pandian M.,* Miss. Malathy , Dr. Ravindran. Journal of Applied Pharmaceutical Science Vol. 6 (11), pp.120-125, November, 2016 Available online at <a href="http://www.japsonline.com">http://www.japsonline.com</a> , DOI: 10.7324/JAPS.2016.601119, ISSN 2231-3354.
16	“Evaluation of cardiovascular autonomic reactivity by cold pressor test in thyroid dysfunction in adults: A prospective case- control study” By Dr. S. M. Tiwale *, Dr. P. R. Desai , Dec 02/2016.
17	“ Uterine Artery Doppler Sonography in Second and Third Trimester of IUGR Pregnancies” Dr. P. R. Desai, Dr. S. M. Tiwale , IJBAP Vol 5 (1) Feb /2017.

**49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

NAAC has Accredited the university with ‘A’ Grade in April 2012.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Conferences Organized :

1. “National workshop on Global Trends in Medical Education Technology” – GLOBMET- 26<sup>th</sup> to 27<sup>th</sup> March 2012
2. “National conference on Electrophysiology and Neurology Trends in Electro diagnosis and Research “– ENTER- 2014 on 31<sup>st</sup> Jan and 1<sup>st</sup> Feb 2014 .

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strengths:-**

- Carrying out pulmonary Function test & Autonomic function test.
- One of the staff member is a Coordinator for MET.
- Well equipped labs with Loud Sound Stethoscope and Use of Manikins for teaching.
- Highly qualified and dedicated staff with effective Leadership.
- Wi-fi available for utilization of newer T/L methods.
- Innovative Teaching Learning methods (Use of simulation software for animal experiments , case based learning).

**Weakness:-**

- Collaborative Research with other departments.
- Inadequate Support from Funding agencies

- Inadequate Publications with high impact journals.
- Less time duration to cover 1st MBBS syllabus.
- Collaborative research with other institutions.

**Opportunities:-**

- To start Yoga certificate course or fellowship course.
- Up-gradation of labs.
- Extension of society oriented activities in the rural areas.
- Society oriented activities in industries.
- Society oriented activities in schools of rural areas.

**Challenges:-**

- To upgrade the department further
- Increase proportion of e-learning in department (departmental website).
- Further improvement in the quality of research.
- Publications in high impact journals
- To start the sports Physiology.

**52. Future plans of the department.**

Short term within 5 years

- To Start Certificate (Basic Course in medical education technology)
- Collaborative research with other institution.
- Increase in society oriental activities.

Long term plans (10 years)

- Long term courses in Yoga.
- Sports Physiology
- Neuro Physiology



## **Evaluative Report of the Department**

# **Biochemistry**

## Evaluative Report of the Department

**1. Name of the Department**

Biochemistry

**2. Year of establishment**

1989

**3. Is the Department part of a college/Faculty of the university?**

Yes

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

<i>Programme Level</i>	<i>Course Name</i>
UG	M.B.B.S.
PG-Degree	M.Sc. (Medical Biochemistry)
PG-Diploma	D.M.L.T.
Doctoral	Ph.D. (Interdisciplinary)

**5. Interdisciplinary programs and departments involved**

Ph.D. Biochemistry (Interdisciplinary)

M.Sc. (Medical Biochemistry) – Departments of Anatomy & Physiology are involved in the teaching for 1<sup>st</sup> year of M.Sc. Medical Biochemistry course.

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

**7. Details of programs discontinued, if any, with reasons**

Nil

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

Annual

UG

Two formative (one terminal and one preliminary examination at the end of each term) and one summative (Annual) at the end of first year.

PG

Annual formative at the end of each year. One summative at the end of the course

**9. Participation of the department in the courses offered by other departments**

- The department is involved in teaching of the M.D.Pathology
- Postgraduates of Pathology are posted in central clinical Laboratory as a part of their MD curriculum

**10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	1	1
<i>Associate Professor/Reader</i>	1	2	2
<i>Assistant Professor</i>	2	2	2
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>	4	5	5
<i>Senior Resident</i>	-	-	-

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>
Dr. B. M.Tiwale	M.Sc. (Medical Biochemistry) Ph.D. (Medical Biochemistry)	Prof. & Head	Medical Biochemistry	27 yrs.
Dr. Mrs.V. S. Patil	M.Sc. (Medical Biochemistry) Ph.D. (Medical Biochemistry)	Associate Prof.	Medical Biochemistry	11 yrs.
Dr. N. T. Venugopal	M.Sc. (Biochemistry) Ph.D. (Medical Biochemistry)	Associate Prof.	Biochemistry	27 yrs.
Dr.Mrs. Archana H.B.	M.D.(Biochemistry)	Assistant Prof.	Medical	2 yrs.
Dr.Miss Bibifatima Bawakhan	M.D.(Biochemistry)	Assistant Prof.	Biochemistry	3 months
Dr.J.S.Patil	M.B.B.S.	Tutor	-	13 yrs.
Dr.D.A.Doijad	M.B.B.S.	Tutor	-	6 yrs.
Mr.S.P.Sase	M.Sc. (Medical Biochemistry) Ph.D. (Medical Biochemistry) (Thesis submitted)	Tutor	Medical Biochemistry	4 months
Dr.V.S.Shinde	M.B.B.S.	Tutor	-	2 months.
Dr.Atul Bhopale	M.B.B.S.	Tutor	-	1 month

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

<b>Sr. No.</b>	<b>Name</b>	<b>Whether Visiting Fellows, adjunct faculty, emeritus professors</b>

Nil

**13. Percentage of classes taken by temporary faculty – program-wise information**

0 % (No temporary faculty is allowed as per MCI norms)

**14. Program-wise Student Teacher Ratio**

<b>Programme</b>	<b>Student-Teacher Ratio</b>
M.B.B.S.	15 : 1
M.Sc.(Medical Biochemistry)	1 : 1
D.M.L.T.	0.4 : 1
Ph.D.	2 : 1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual</b>
<b>Academic Staff (technical)</b>	2	2	2
<b>Administrative Staff</b>	3	3	3

**16. Research thrust areas as recognized by major funding agencies**

- Nanomaterials and nanobiosensors – One University funded project

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Nil

**18. Inter-institutional collaborative projects and associated grants received  
b) National collaboration b) International collaboration**

Nil

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

One University funded research project completed – Studies on Development and Performance of Silica Nanocomposite Based Cholesterol Nanobiosensors.

Total grant received – Rs. 3,22,524/-

**20. Research facility / centre with**

- **state recognition**  
Central Research Laboratory of the University is recognized by BARC,
- **national recognition**  
ICMR, DST, DBT
- **international recognition ]**  
Nil

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications:**

- \* **Number of papers published in peer reviewed journals (national / international):**  
8 National+10 International=Total 18
- \* **Monographs:**  
Nil
- \* **Chapters in Books:**  
Nil
- \* **Books edited:**  
Nil
- \* **Books with ISBN with details of publishers:**  
Nil
- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):**  
Nil
- \* **Citation Index – range / average:**
- \* **SNIP:**
- \* **SJR:**
- \* **Impact Factor – range / average:**
- \* **h-index:**

**23. Details of patents and income generated**

Nil

**24. Areas of consultancy and income generated**

Dr.B.M.Tiwale is member of Board of Studies of Pravara Institute of Medical Sciences, Loni

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Nil

**26. Faculty serving in**

**a) National committees**

Dr. B.M.Tiwale is Ex-Joint Secretary of 'Society of Biological Scientists of India, H.O.Muzaffarnagar,U.P.'

**b) International committees**

Nil

**c) Editorial Boards**

Dr. B. M. Tiwale is member of Editorial Board of MJDYPU

**d) any other (specify)**

Dr.B.M.Tiwale is member of Board of Studies of Pravara Institute of Medical Sciences, Loni

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

Yes

The university has always given emphasis to continuous faculty development and enrichment. The staff members are motivated and permitted to attend/ participate in seminars, symposia, workshops, conferences, CME programmes & education technology programmes to enhance their skills and update their knowledge. Incentives are given for participation and presentation (TA/DA/Registration/duty leave) in seminars, symposia, workshops & conferences at national and international level.

Four faculty members of the department have attended Medical Education Technology workshop (Basic Course). Two of them have attended revised Basic course and one has done Advanced course.

**28. Student projects**

- **percentage of students who have taken up in-house projects including inter-departmental projects**

100 % M.Sc. (Medical Biochemistry) students are doing Dissertation project as per their course mandate

- *percentage of students doing projects in collaboration with other universities / industry / institute*

Nil

**29. Awards / recognitions received at the national and international level by**

- **Faculty**

- Dr. B.M.Tiwale is Ex-Joint Secretary of ‘Society of Biological Scientists of India, H.O.Muzaffarnagar,U.P.’
- Dr.B.M.Tiwale is member of Board of Studies of Pravara Institute of Medical Sciences, Loni

- **Doctoral / post doctoral fellows**

Nil

- **Students**

Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- National symposium was organized ‘Current Scenario in Genetics– 2013’ on 26<sup>th</sup> & 27<sup>th</sup> Oct, 2013

Eminent Speakers included-

1. Dr.Subarna Roy – Deputy Director, Regional Medical Research center (ICMR), Belgaum
2. Dr.Anita Kar – Pune University
3. Dr.Mrs.Mugdha Lele – Department of Genetics, Immunology, Biochemistry & Nutrition, MUHS regional center, Pune
4. Dr.Narendra Jawali – Head, Molecular marker & Gene expression section, Molecular biology division, BARC, Mumbai
5. Dr.Kishor Bhat – Prof. & Head, Microbiology, MMS Dental College, Belgaum

- University funded activity
- Faculties & students from various Medical Colleges within state as well as other states participated as delegates and few of them presented posters

**31. Code of ethics for research followed by the departments**

The research projects are cleared by institutional ethics committee.

**32. Student profile program-wise:**

<i>Name of the Program (refer to question no. 4)</i>	<i>Applications received</i>	<i>Selected</i>		<i>Pass percentage</i>	
		<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>
IMBBS	2958	101	49	NEET Qualified	NEET Qualified

**33. Diversity of students**

<i>Name of the Program (refer to question no. 4)</i>	<i>% of students from the same university</i>	<i>% of students from other universities within the State</i>	<i>% of students from universities outside the State</i>	<i>% of students from other countries</i>

Nil

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.**

Nil

**35. Student progression**

<i>Student progression</i>	<i>Percentage against enrolled</i>
<i>UG to PG</i>	80 – 90%
<i>PG to M.Phil, DM / M Ch / DNB</i>	-
<i>PG to Ph.D.</i>	-
<i>Ph.D. to Post-Doctoral</i>	N.A.
<i>Employed</i>	
<ul style="list-style-type: none"> <li>• <i>Campus selection</i></li> <li>• <i>Other than campus recruitment</i></li> </ul>	10 %
<i>Entrepreneurs</i>	90 %

**36. Diversity of staff**

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	Nil
<i>from other universities within the State</i>	60 %
<i>from universities from other States</i>	40 %
<i>from universities outside the country</i>	Nil

**37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period**

Nil

**38. Present details of departmental infrastructural facilities with regard to**

**a) Library**

No. of Books-286, No. of Journals-15

**b) Internet facilities for staff and students**

Yes, available 10 Nodes available

Entire campus is wi-fi enabled

**c) Total number of class rooms**

Lecture Halls – 5 (common pool)

**d) Class rooms with ICT facility and 'smart' class rooms**

All 05 lecture halls and seminar room in the department is equipped with ICT facility.

04 'smart' class rooms

**e) Students' laboratories**

1

**f) Research laboratories**

One departmental + one Central Research lab

**39. List of doctoral, post-doctoral students and Research Associates**

**a) from the host institution/university**

**Doctoral Students**

1. Mrs. Rajani Satvekar
2. Miss Prajakta Shete
3. Mr. Rakesh Patil
4. Miss Sonali Rohiwal
5. Mr. Raghvendra Bohara
6. Mrs. Sujata Kadam
7. Mrs. Taihaseen Momin

**b) from other institutions/universities**

Nil

**40. Number of post graduate students getting financial assistance from the university.**

Nil

**41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

In the view of paucity of M.D. Biochemistry teachers, MCI has approved 50 % teachers with Medical M.Sc. qualification. Keeping this in mind M.Sc. Medical Biochemistry course is started.

Opinion was taken from external examiners visiting our college and also from other senior teachers from various colleges before starting the course.

**42. Does the department obtain feedback from**

***d. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?***

Yes, feedback is taken from faculty and the valid & feasible suggestions are used to improve the curriculum

***e. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?***

Yes, students suggestions are taken during UMGS interactions and attempts are made to implement valid & feasible suggestions.

***f. alumni and employers on the programs offered and how does the department utilize the feedback?***

Yes, suggestions given by alumni as well as employers are taken into consideration for improving departments performance

**43. List the distinguished alumni of the department (maximum 10)**

- Dr. Adnaik Arjun Ramchandra, Renowned Cardiologist, Kolhapur.
- Dr. Anish Amate, D.M. Gastro Entrology, Kolhapur
- Dr. Revati Kishor Bhingare, Laparoscopic Surgeon, Pune
- Dr. Rashmi Bhadbhade, Specialist Registrar, Royal College of Ophthalmology, London.
- Dr. Rahul Patil, Specialist Registrar, Royal Liverpool University Hospital, London.
- Dr. Neelesh D. Rajadhyaksha, Deputy Medical Superintendent, Bombay Hospital, Mumbai
- Dr. Anvekar Raghavendra, Radiologist, Jubilee Mission Hospital, Tressur, Kerala
- Dr. Sanjay Harishankar Sharma, Specialist, Ministry of Health, Oman
- Dr. Prashant H. Tanna, Jeevandeep Hospital & Polyclinic, Jamnagar, Gujarat
- Dr. Jignesh Gandhi, General and Hepatobiliary Surgeon, Mumbai

**44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.**

- Guest lectures are arranged under UMGS scheme
- UG students were given participation in the National Symposium arranged by Department in association with Anatomy Dept. Students displayed posters on the theme of the symposium
- AMAR activity for Ph.D. students

**45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

**Under Graduate**

- Didactic lectures
- Practicals
- Demonstrations
- Tutorials (student led tutorials)
- Seminars (as Group activity)
- Integrated teaching
- Case based learning
- Power point presentations
- Reverse Teaching (by PG students to UG students under Faculty supervision)
- Home work
- Lectures with halting time, story telling, guided lectures

**Post Graduate**

- Lectures
- Practicals and Central Clinical Lab posting
- Discussion
- Microteaching
- Seminars
- Journal club
- Group discussion
- Student led demonstrations

**46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

**Knowledge**

- Regularly conducted structured teaching program.
- Regular updating of the curriculum.
- Encouragement of fast learners for participation in research and Quiz.
- Identification of slow learners and improving slow learners.

**Skills**

- Conduction & observation of students during practical exercise.
- Procedures are demonstrated and later supervised.

**Attitude:**

- Emphasis on communication skills is done by all faculty during conduction of various procedures.

- Students are trained to correlate clinical history with abnormal Biochemical findings

#### **Monitoring Learning Outcomes**

- Assessments are regularly conducted.
- Attendance of students is monitored.
- Formative assessments help to understand the pace of student learning
- Discussions during teaching-learning sessions.
- Log book/ Practical record book/ journal are monitored.
- Regular monitoring of thesis, presentations, seminars and journal discussions by students helps the faculty to guide students based on their current understanding.
- Feedback

#### ***47. Highlight the participation of students and faculty in extension activities.***

- Lectures for High school/College students on Nutrition
- Participation in organizing Rallies, Street plays on National Health campaigns

#### ***48. Give details of “beyond syllabus scholarly activities” of the department.***

- Involvement in STS Projects e.g. ICMR Projects
- Seminars by the students for the students.
- Organization of national symposium ‘Current Scenario in Genetics– 2013’ in collaboration with Department of Anatomy on 26<sup>th</sup> & 27<sup>th</sup> Oct.2013
- Active participation as convener/secretary or member of various committees in workshops, conferences arranged by parent department, other departments and university
- Celebration of various health days
- Participation in activities of Women Development Cell
- Invited lectures in the conferences

#### ***49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.***

No

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Research paper publications
- Poster presentations
- Research projects

Areas of Research –

- Nanotechnology applications in Medical field
- Nanobiosensors
- Pro - & Anti-oxidant mechanisms in health & disease
- Cardiac biomarkers

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strengths

- Strict discipline
- Prompt conduction of teaching programmes
- Transparency in the examinations
- Prompt declaration of results of departmental examinations
- Very good record of university results, maximum number of distinctions

Weaknesses

- Lack of sufficient space
- Underdeveloped research laboratory
- No much research projects completed/undergoing
- No M.D. Biochemistry course
- Less number of publications

Opportunities

- Four Ph.D. faculty (three completed, 1 submitted) in the department. Research can be enhanced.
- Research through P.G. dissertation.
- Number of publications can be increased through P.G. dissertations
- Opportunity to improve Departmental research lab
- To study and enhance health consciousness with respect to yoga practice in the community through research project on yoga

### Challenges

- Up gradation of research lab
- Improvement of infrastructure of the department
- To motivate staff to undertake research projects
- Starting M.D. Biochemistry
- Starting Ph.D. Medical Biochemistry

### ***52. Future plans of the department.***

- To enhance staff research projects
- Further improvement of the Departmental Research Lab by procuring sophisticated equipments
- Improvement of the departmental infrastructure
- Upgradation of departmental library
- Starting of Ph.D. in Medical Biochemistry
- Starting of M.D. Biochemistry



## Evaluative Report of the Department

# Pathology

## Evaluative Report of the Department

**1. Name of the Department**

Pathology

**2. Year of establishment**

1990

**3. Is the Department part of a college/Faculty of the university?**

Yes. Department is part of the College

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

<i>Programmes</i>	<i>Courses Name</i>
UG	MBBS
PG	MD
Diploma	D.M.L.T.

**5. Interdisciplinary programs and departments involved**

Microbiology, Biochemistry departments are utilized for training MD Pathology Students.

**6. Courses in collaboration with other universities, industries, foreign institutions, etc. .**

Nil

**7. Details of programs discontinued, if any, with reasons**

Nil

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

UG

Three formative (2 terminal and 1 preliminary exam) and one summative (annual).

PG

Formative at the end of the year. One summative at the end of the course.

Diploma- DMLT two formative (1 terminal and 1 Prelimn and 1 summative.

**9. Participation of the department in the courses offered by other departments**

Nil

**10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	1	1
<i>Associate Professor/Reader</i>	5	5	5
<i>Assistant Professor</i>	5	5	5
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>	6	6	6
<i>Senior Resident</i>	-	-	-

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>
Dr.Mrs.More Seema Suryakant	MBBS MD	Professor & HOD	Pathology	31 Yrs
Dr.Parichark D.G.	MBBS MD	Associate Professor/Reader	Pathology	22 yrs
Dr.Patil R.S.	MBBS MD	Associate Professor/Reader	Pathology	20 yrs
Dr. Shinde R.M	MBBS MD	Associate Professor/Reader	Pathology	19 yrs
Dr. Chougule Meghna Vinay	MBBS MD	Associate Professor/Reader	Pathology	15 yrs
Dr. Shinde Pramod J.	MBBS MD	Associate Professor/Reader	Pathology	13 yrs
Dr. Dafale V.D.	MBBS MD	Assistant Professor	Pathology	
Dr. Mrs. Shinde Archana P.	MBBS MD	Assistant Professor	Pathology	10 yrs
Dr. Chouthai Ajay	MBBS MD	Assistant Professor	Pathology	9 yrs
Dr Kulkarni Asmita S.	MBBS MD	Assistant Professor	Pathology	4 yrs
Dr. Shikalgar Shabana B.	MBBS MD	Assistant Professor	Pathology	7 yrs
Dr. Ratunavar Pavan P	MBBS MD DHB Path.	Assistant Professor	Pathology	4 yrs
Dr.Mrs. Joshi R. A.	MBBS	Tutor/ Demo.	-	25 yrs
Dr. More V. A.	MBBS	Tutor/ Demo.	-	
Dr. Patil Jeevan M.	MBBS	Tutor/ Demo.	-	9 mts
Dr. Inamdar Akshay	MBBS	Tutor/ Demo.	-	2 yrs
Dr.Mane Smita U.	MBBS	Tutor/ Demo.	-	7 mts,
Dr.Kavthekar Swati S.	MBBS	Tutor/ Demo.	-	1 mts,

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

<i>Sr. No.</i>	<i>Name</i>	<i>Whether Visiting Fellows, adjunct faculty, emeritus professors</i>
	-	

Nil

**13. Percentage of classes taken by temporary faculty – program-wise information**

Dept. has all Permanent faculty & no temporary faculty member hence not applicable.

**14. Program-wise Student Teacher Ratio**

<i>Programme</i>	<i>Student-Teacher Ratio</i>
M.B.B.S.	8.82:1
M.D.	1:1
D.M.L.T.	0.235:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual</i>
<b>Academic Staff (technical) &amp; Administrative Staff</b>			
Artist	1	1	1
Technicians/ Technical Assistant	4	4	4
Stenographer	1	1	1
Record Clerk	1	1	1
Storekeeper	1	1	1
Lab.Attendant/Sweeper/Peon	2	2	2

**16. Research thrust areas as recognized by major funding agencies**

Clinical pathology, Oncology, Haematology.

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Nil

**18. Inter-institutional collaborative projects and associated grants received c) National collaboration b) International collaboration**

Nil

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

Nil

**20. Research facility / centre with**

- *state recognition*
- *national recognition*
- *international recognition*

Nil

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Central Research Lab of University is recognized by BARC, ICMR, DST & DBT.

**22. Publications:**

23- International: 10, National: 2, Regional: 11 (MJDYPU)

- \* *Number of papers published in peer reviewed journals (national / international):*

12

- \* *Monographs:*

Nil

- \* *Chapters in Books:*

Nil

- \* *Books edited:*

Nil

- \* *Books with ISBN with details of publishers:*

- \* *Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):*

- \* *Citation Index – range / average:.*

range/average: 6 to 27/16.5

- \* *SNIP:*

- \* *SJR:*

0.1 to 0.2

- \* *Impact Factor – range / average:*

range / average: 3 to 5.3/ 4

- \* *h-index:*

3 to 8

Sr. No.	Source Title	Indexing Agency Value	No. of articles
1	International journal of health science and research		4
2	Medical Journal D.Y.Patil University		10
3	Indian journal of medical Specialities		1
4	International Journal of Recent Trends in Science And Technology	ICV: 70.64	1
5	Biomedicine		1
6	Indian Journal of Applied Research		1
8	Journal of Mid-life Health		1
9	International Journal of Advanced Research		3
10	Journal of Krishna institute of Medical Sciences University		1

**23. Details of patents and income generated**

Nil

**24. Areas of consultancy and income generated**

Nil

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Nil

**26. Faculty serving in**

**a) National committees b) International committees c) Editorial Boards**

Nil

**d) any other (specify)**

All faculties are the Members of Deccan Pathology Association, Kolhapur.

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

M.E.T. Workshop at Aundh – Dr. Pramod Shinde

Immunohistochemistry workshop at TATA Memorial Hospital, Mumbai-  
Dr. Pramod Shinde, Dr. Archana Shinde.

**28. Student projects**

12

- **percentage of students who have taken up in-house projects including inter-departmental projects**

100%

- **percentage of students doing projects in collaboration with other universities / industry / institute**

Nil

**29. Awards / recognitions received at the national and international level by**

- **Faculty**

Nil

- **Doctoral / post doctoral fellows**

Nil

- **Students**

Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Sr. No.	Date	Workshop Organized	Funding Source	Speakers
1	19 <sup>th</sup> March 2016	National Seminar on Andrology updates	Self funded	Dr. Satish Patki
2	3 <sup>rd</sup> & 4 <sup>th</sup> Jan 2015	6 <sup>th</sup> International seminar on recent advances in Oncopathology	ICMR	Dr. Jagmohan Sidhu Dr. Nirmala Jambekar Dr. Bharat Nathwani Dr. Bharat Rekhi Dr. Prashant Jani

**31. Code of ethics for research followed by the departments**

The research projects are cleared by institutional ethics committee.

**32. Student profile program-wise:**

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
II MBBS	157	94	63	Passed I MBBS	Passed I MBBS

**33. Diversity of students**

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MD Pathology 2016	25%	25%	16.67%	8.33%
MD Pathology 2015	25%	50%	25%	0%
MD Pathology 2014	50%	0%	25%	25%

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.**

Nil

**35. Student progression**

Student progression	Percentage against enrolled
UG to PG	90%
PG to M.Phil, DM / M Ch / DNB	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	0%
• Other than campus recruitment	10%
Entrepreneurs	90%

**36. Diversity of staff**

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	-
<i>from other universities within the State</i>	100 %
<i>from universities from other States</i>	Nil
<i>from universities outside the country</i>	Nil

**37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period**

Nil

**38. Present details of departmental infrastructural facilities with regard to****a) Library**

Books - 232

E- Book - 50

Journal - 24

E- Journal - 32

**b) Internet facilities for staff and students**

Available-LAN Connectivity and Wi-Fi

**c) Total number of class rooms**

02

**d) Class rooms with ICT facility and 'smart' class rooms**

ICT facility – 06, Smart class rooms- 04

**e) Students' laboratories**

02

**f) Research laboratories**

02 (Central-1, Departmental-1)

**39. List of doctoral, post-doctoral students and Research Associates****a) from the host institution/university**

Nil

**b) from other institutions/universities**

Nil

**40. Number of post graduate students getting financial assistance from the university.**

03

**41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

No new program – Hence not applicable

**42. Does the department obtain feedback from**

***a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?***

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Departmental Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner.
- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.
- The recommendations are submitted to B.O.S and academic council and then implemented after approval.

***b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?***

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Departmental Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner.
- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.
- The recommendations are submitted to B.O.S and academic council and then implemented after approval.

***c. alumni and employers on the programs offered and how does the department utilize the feedback?***

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Departmental Committee meetings by faculty members.

- The recommendations of the Departmental Committee are then implemented in a phased manner within the constraints and limits laid down by the Medical Council of India.
- Effects of the changes implemented are again discussed at the Departmental Committee to assess impact.
- The recommendations are submitted to B.O.S and academic council and then implemented after approval.

**43. List the distinguished alumni of the department (maximum 10)**

Sr No	Name of PG Students	Designation
1	Dr. Asawari Ambekar	MD (Patho)
2	Dr. Anusha	MD (Patho)
3	Dr. Anil verma	MD (Patho)
4	Dr. Dinesh Singh	MD (Patho)
5	Dr. Sunayana Pawaskar	MD (Patho)
6	Dr. Mukta Ravte	MD (Patho)
7	Dr. Mangesh Bhadekar	MD (Patho)
8	Dr. Ashok	MD (Patho)
9	Dr. Ankit Sharma	MD (Patho)
10	Dr. Nupur Kulkarni	MD (Patho)

**44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.**

- Guest Lectures- lecture on stem cell therapy.
- Conferences – as listed above
- Workshop on research methodology.
- SMART

**45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

Lectures, Tutorials, Seminars, Subject Seminar, Journal Club, Group Discussions, Slide seminar

**46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

Knowledge

- Regularly conducted structured teaching program.
- Regular updating of the curriculum.
- Encouragement of fast learners for participation in research and Quiz.
- Identification of slow learners and improving slow learners.

### Skills

- Conduction & observation of students during practical exercise.
- Conduction of O.S.P.E. [Objective Structured Practical Evaluation].
- Procedures are demonstrated and later supervised.

### Attitude:

- Emphasis on communication skills is done by all faculty during conduction of various procedures.
- Students are trained to correlate clinical history with pathological findings.

### Monitoring Learning Outcomes

- Assessments are regularly conducted.
- Attendance of students is monitored.
- Formative assessments help to understand the pace of student learning
- Discussions during teaching-learning sessions.
- Log book/ Practical record book/ journal are monitored.
- Regular monitoring of thesis, presentations, seminars and journal discussions by students helps the faculty to guide students based on their current understanding.
- Feedback

### ***47. Highlight the participation of students and faculty in extension activities.***

- Blood Donation Camps, UMGS
- Health Check-up Camps, COURT
- World cancer day celebration
- Women's day celebration
- Swachhha bharaat abhiyaan

### ***48. Give details of "beyond syllabus scholarly activities" of the department.***

#### Poster and paper presentation in conference

- Myelomeningocele-A case study-Dr. Urvashi Solanki  
National Conference on recent advances in Clinical embryology-  
January, 2014
- Molecular Genetics of acute leukemia-Dr. Mangesh Bhadekar

National Symposium on current scenario in genetics-October, 2013

- Meningioma-A case study-Dr. Mangesh Bhadekar

National Conference on electrophysiology & neurology trends in Electrodiagnosis & research 31 Jan.-1 Feb 2014

- A case of tuberculosis in 9 months old Infant-Dr. Mangesh Bhadekar  
National Conference on recent advances in RNTCP & approach to MDR TB-February,2014

- Hydrocephalus-A case study-Dr. Urvashi solanki

National Conference on recent advances in Clinical embryology-  
January, 2014

- Anencephaly-A case study-Dr. Mangesh Bhadekar

National Conference on recent advances in Clinical embryology-  
January, 2014

- Conduction of COURT activity
- Faculty and PG students attend conferences
- Conduction of guest lectures, slide seminars

**49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

The College is constituent unit of D.Y.P.University accredited 'A' grade by NAAC

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

This is done through research in projects and publication.

- Utility of special stains in pathology for disease diagnosis
- Publication of rare case report
- Conduction of workshops, CME's
- Correlate the clinical findings with laboratory findings in various disease

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strengths

- Motivated Full Time Staff
- P.G. Courses
- Submission of ICMR project

- Presentation in conference
- Publication in indexed journal

#### Weaknesses

- National & International collaborations
- Getting Govt. sponsored projects.
- Industrial collaborations
- Govt. sponsored projects
- Publications with high impact factor
- Conduction of more CMEs workshops & guest lectures

#### Opportunities

- To develop Institutional collaboration
- To increase post graduation intake
- Fellowship courses
- Increase research collaborations with other centers.
- To start choice based courses

#### Challenges

- Improvement of infrastructure
- Increase consultancies through the department
- Extension activities to be increased
- Improve quality of research
- NABL accreditation

### ***52. Future plans of the department.***

#### Short term goal (5 years)

- Establish Immunohistochemistry Laboratory facility
- Strengthen quality and protocols in heamatology department
- To increase P.G. seats
- To create modular syllabus for U.G. teaching
- Conducting Haematology Conference in March 2017
- Conduction of CME/Workshop

#### Long term plans (10 years)

- Establish superspeciality in oncology
- Establish molecular diagnostis laboratory



## **Evaluative Report of the Department**

# **Pharmacology**

### Evaluative Report of the Department

**1. Name of the Department**

Pharmacology

**2. Year of establishment**

1990

**3. Is the Department part of a college/Faculty of the university?**

Yes. Part of the College.

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

<i>Course level</i>	<i>Course offered</i>
U.G.	M.B.B.S.
P.G.	M.D.(Pharmacology)
Fellowship offered	Fellowship in Clinical research

**5. Interdisciplinary programs and departments involved**

Yes.

1- Pharmacology with Medicine for Ph. D.

2- Pharmacology with Biochemistry for Ph.D.

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

**7. Details of programs discontinued, if any, with reasons**

Nil

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

U.G.

3 Formative 2 Terminal & 1 Preliminary at the end of each semester & 1 Summative at the end of course.

P.G.

3 Formative at the end of each year (2 Annual & 1 Prelims ) & 1 Summative at the end of course.

**9. Participation of the department in the courses offered by other departments**

NIL

**10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	1	1
<i>Associate Professor/Reader</i>	2	3	3
<i>Assistant Professor</i>	2	1	1
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>	3	5	5
<i>Senior Resident</i>	-	-	-

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>
Dr.Mrs. Meeta. A.Burande	MBBS, MD	Professor & HOD in Pharmacology	M.D. Pharmacology	15 Yrs.
Dr. Vikram Anant Rajadnya	MBBS, MD	Associate Professor	M.D. Pharmacology Certificate course in Nutrition	17yrs
Dr. Mrs.A.G.Dhavalshankar	MBBS, MD	Associate Professor	M.D. Pharmacology	15 yrs
Dr.Mrs. Sunita S. Patil	MBBS, MD	Associate Professor	M.D. Pharmacology	21 yrs
Dr. Jarinabhanu Tahashildar	MBBS, MD	Assistant Professor	M.D. Pharmacology	04 yrs
Dr. V.R.Patkar	MBBS,	Tutor	M.D. Microbiology	25 yrs
Dr. Mrs. Morale Jyoti Arun	MBBS	Tutor	-	5 Yrs.
Dr. Vilas Shrikant Mahajan	MBBS	Tutor	-	5 Yrs
Dr. Avik Deb	MBBS	Tutor	-	1 yrs

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

<i>Sr. No.</i>	<i>Name</i>	<i>Whether Visiting Fellows, adjunct faculty, emeritus professors</i>
1.	Dr. Mohamed Mohamed Abdel-Daim	as a Visiting scientist for C V Raman fellowship, Egypt

**13. Percentage of classes taken by temporary faculty – program-wise information**

0 % No temporary faculty for both UG and PG programs.

**14. Program-wise Student Teacher Ratio**

<i>Programme</i>	<i>Student-Teacher Ratio</i>
M.B.B.S.	15:1
M.D.	1:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual</i>
<b><i>Academic Staff (technical)</i></b>			
Pharmaceutical Chemist	1	1	1
Technical Assistant	2	2	2.
Technicians	2	2	2
Laboratory Attendants.	2	2	2
<b><i>Administrative Staff</i></b>			
Store keeper-cum-clerk	1	1	1
Steno-typist	1	1	1

**16. Research thrust areas as recognized by major funding agencies**

Diabetes, Pharmacovigilance, Medical Education, Universal Immunisation, Probiotics, Nanopharmacology, sport Pharmacology, ophthalmic Pharmacology, Medical Exposure to the population by Nuclear Power Plant .Epidemiology.

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

<b>Number of National ongoing projects</b>	<b>Number of International ongoing projects</b>	<b>Total grants received (Rs.)</b>	<b>names of the funding agencies</b>	<b>project title</b>
1	C.V.Raman Fellowship	1,80,000/- RELEASED 1,60,000/-	DST	Effect Of Allopurinol And Febuxstat On Diabetic Nephropathy In Laboratory Animal Model- (Awardee for C V Raman fellowship for Visiting Professor Dr M Abdel from Egypt)

**18. Inter-institutional collaborative projects and associated grants received****a) National collaboration b) International collaboration**

## National Collaboration:-

1. Dr. J.C.Tahashildar  
Project Title:- Morbidity Pattern in Ophthalmology  
Institution:- G.M.C.H. Udaipur- Rajasthan.  
Outcome :- Publication  
Grants Received :- No
2. Dr. S. S.Patil  
Project Title:- Oral Iron Preparation  
Institution:- KIMS Karad Maharashtra.  
Outcome :- Publication  
Grants Received :- No
3. Dr. A.G.Dhavalshankh  
Project Title:- Liver in Leprosy  
Institution:- RCSM GMC Kolhapur. Maharashtra.  
Outcome :- Publication  
Grants Received :- No
4. Dr M A Burande  
Project - case report on levosulpiride induced acute facial dystonia  
Institution - Surya hospital and seuz canal university  
Outcome - publication  
Grant - no

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

## ICMR:

Sr. no.	Name of the Activity	Held on land grant received	Level of activity(Regional, State level, National or International)
1	A Sociodemographic study to evaluate the pattern of adverse drug reaction with new inactive of injectable polio vaccine and awareness about IPV	2016 STS-ICMR Rs.10,000/- 2016-01511	Dr. Mrs. A.G.Dhavalshankh Miss.Ahilya Vijaykumar Kanase
2	Comparative Study Of Atorvastatin 10 Mg With Ezetimibe 10 Mg Combination Verses Atorvastatin 80 Mg For Lipid Metabolism And Pleiotropic Vascular Inflammatory Biomarkors In Diabetic Patients.	2014 STS-ICMR Rs.10,000 2014-01079	Dr .Mrs Burande M.A. Mr. Aryan Rahul Gune

Sr. no.	Name of the Activity	Held on land grant received	Level of activity(Regional, State level, National or International)
3	To Educate The Community For Proper Storage And Disposal Of Prescribed Medication The Need Of Today.	2014 STS-ICMR Rs. 5,000/- 2014-01070	Dr. Sunita Patil Mr. Akshaya Suresh Gadekar
4	Efficacy of allopurinol in decreasing proteinuria and hyperuricemia in Indian patients with type 2 diabetes	2012 Rs.5,000/-	Dr. Mrs. M.A. Burande Mr. Anil Jain

**DST- C.V.Raman Fellowship**

1.	Effect of allopurinol and febuxstat on diabetic nephropathy in laboratory animal model- (awardee for c v raman fellowship for visiting professor dr m abdel from egypt)	1,80,000/-	Dr.M.A.Burande
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1,60,000/- released

**D. Y. Patil University Funding**

1	Wound healing efficacy of Bone Marrow-Derived Mesenchymal Stem Cells and Platelet-Rich Plasma in wound healing of Diabetic Rats-	6,60,000/-	Dr.M.A.Burande
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**20. Research facility / centre with**

- *state recognition*
- *national recognition*
- *international recognition*

Central Research Laboratory of University is recognized by BARC, ICMR, DST, DBT.

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications:**

- \* *Number of papers published in peer reviewed journals (national / international):*

Total:-32 (After 1 April 2012)

AS PER Medical Council of India, recommended databases for medical publications are scopus, pubmed, Index Copernicus, Index Medicus, Medline and Embase.

- \* *Monographs:*

Nil

- \* *Chapters in Books:*

Nil

\* **Books edited:**

Nil

\* **Books with ISBN with details of publishers:**

Nil

\* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):**

23

\* **Citation Index – range / average:**

0- 12/ 12

\* **SNIP:**

\* **SJR:**

\* **Impact Factor – range / average:**

0.67 to 3.408 Avarage 2.039

\* **h-index:**

**23. Details of patents and income generated**

Nil

**24. Areas of consultancy and income generated**

Dr. S.S.Patil:- worked with the project on oral iron preparation associated with Health advances, LAC Research, 9, Riverside Rd. Weston, MA. U.S. (Telecommunication was paid Honorarium \$300)

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Nil

**26. Faculty serving in**

- a) National committees b) International committees c) Editorial Boards d) any other (specify)**

Name of faculty	National committees	International committees	Editorial Boards	any other (specify)
Dr. M.A.Burande			MJDYPU	

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

**Dr.M.A.Burande**

1. “National workshop on Ph.D. Program for Medical Innovations- 18.10.2012”
2. Annual conference of Rheumatology at Kolkata from 5th to 8th Dec. 2013

3. National workshop on “Recent advances in clinical embryology” 18-19 Jan 2014
4. First Joint CReATE Centers Workshop on Ethics, Pharmacovigilance, Biostatistics and Data Management 26 & 27 November 2014
5. National conference on Nanopharmacology “ On 19<sup>th</sup> to 20<sup>th</sup> December 2014 (NCNP2014)
6. “National workshop on Ph.D. Program for Medical Innovations- 18.10.2012”

**Dr. V.A. Rajadnya**

1. Current Issues in environmental health and lifestyle diseases 6 sept 2013
2. CME on “Yoga or Exercise or Both” 8 Feb 2014
3. National conference on Nanopharmacology “On 19th to 20th December 2014 (NCNP2014)
4. National Conference on Haematology & Blood Transfusion (NCHBT- 2017) 18th March 2017
5. Live workshop on Microyear surgery Association of Otolaryngologists of India-21.1.2012
6. ENT Clinical meet- Association of Otolaryngologists of India- 15.2.2012
7. CME on “Yoga or Exercise or Both” 8 Feb 2014

**Dr. A.G.Dhavalshankh**

1. I.P.S. Workshop-2012 on Experimental techniques- 7.4.2012
2. “National workshop on Ph.D. Program for Medical Innovations- 18.10.2012”
3. Annual conference -Add life to your years-Advances in Geriatric care, KMA, Kolhapur 4.11.2012
4. National Conference on “Recent Advances in RNTCP & Approach to Multi-Drug Resistant Tuberculosis - 2014” February 14th& 15th, 2014 (Silver Jubilee Event)
5. National Seminar on recent Advances in Clinical Forensic Practice (NSRACFP- 2014) 22 nd March 2014
6. First Joint CReATE Centers Workshop on Ethics, Pharmacovigilance, Biostatistics and Data Management 26 & 27 November 2014

7. National conference on Nanopharmacology “ On 19<sup>th</sup> to 20<sup>th</sup> December 2014 (NCNP2014)
8. Workshop on Applications of statistics in Medical Research- 19 & 20 January 2015
9. National Conference on Convergence of Stem Cells and Medical Nanotechnology CSCN- 2015-2<sup>nd</sup> & 3<sup>rd</sup> September 2015
10. National Seminar on Andrology update 2016.20 march 2016
11. National Conference on Haematology & Blood Transfusion (NCHBT- 2017) 18th March 2017
12. National Conference on Haematology & Blood Transfusion (NCHBT- 2017) 19th March 2017
13. I.P.S. Workshop-2012 on Experimental techniques- 7.4.2012
14. “National workshop on Ph.D. Program for Medical Innovations- 18.10.2012”
15. National Seminar on recent Advances in Clinical Forensic Practice (NSRACFP- 2014) 22 nd March 2014

**Dr. S.S.Patil**

1. “National workshop on Ph.D. Program for Medical Innovations- 18.10.2012”
2. Workshop on “Pharmacovigilance and ADR monitoring” KIMS Karad.1 to 2 Feb 2013.
3. National Seminar on recent Advances in Clinical Forensic Practice (NSRACFP- 2014) 22 nd March 2014
4. National Conference On Nanopharmacology “ On 19th To 20<sup>th</sup> December 2014 (Ncnp2014)
5. National Conference On Convergence Of Stem Cells And Medical Nanotechnology Cscn- 2015-2nd & 3rd September 2015
6. National Seminar On Andrology Update 2016.20 March 2016
7. National Conference On Haematology & Blood Transfusion (Nchbt- 2017) 18th March 2017
8. National Conference On Haematology & Blood Transfusion (Nchbt- 2017)19th March 2017 .
9. “National workshop on Ph.D. Program for Medical Innovations- 18.10.2012”

10. Workshop on “Pharmacovigilance and ADR monitoring” KIMS Karad.1 to 2 Feb 2013.
11. “MCI Basic Course Workshop in Medical Education Technologies” from 25<sup>th</sup> to 27<sup>th</sup> August 2014 (MET)
12. CME on “OBESITY” 19 July 2014
13. National Seminar on recent Advances in Clinical Forensic Practice (NSRACFP- 2014) 22<sup>nd</sup> March 2014

**Dr.J.C.Tahashaldar**

1. Indian Pharmacological Society Southern Regional Conference- Belgaum 2016. On “Reassessing Pharmacology In 21st Century” 12.3.2016 to 13.3.2016
2. National Conference on Haematology & Blood Transfusion (NCHBT-2017) 18<sup>th</sup> March 2017
3. National Conference on Haematology & Blood Transfusion (NCHBT-2017) 19<sup>th</sup> March 2017
4. Basic Workshop in Medical Education Technologies 4<sup>th</sup> to 6<sup>th</sup> Aug. 2014 at GMCH-Udaipur

**Dr. V. R. Patkar**

1. “National workshop on Ph.D. Program for Medical Innovations- 18.10.2012”
2. National Conference on “Recent Advances in RNTCP & Approach to Multi-Drug Resistant Tuberculosis - 2014” February 14<sup>th</sup> & 15<sup>th</sup>, 2014 (Silver Jubilee Event)
3. National Seminar on recent Advances in Clinical Forensic Practice (NSRACFP- 2014) 22<sup>nd</sup> March 2014,
4. First Joint CReATE Centers Workshop on Ethics, Pharmacovigilance, Biostatistics and Data Management 26 & 27 November 2014
5. National conference on Nanopharmacology “ On 19<sup>th</sup> to 20<sup>th</sup> December 2014 (NCNP2014
6. 6<sup>th</sup> International Seminar on Recent Advances in Oncopathology- 3<sup>rd</sup> & 4<sup>th</sup> January 2015
7. National Seminar on Andrology update 2016.20 march 2016
8. National Conference on Haematology & Blood Transfusion (NCHBT-2017) 18<sup>th</sup> March 2017

9. National Conference on Haematology & Blood Transfusion (NCHBT-2017) 19th March 2017
10. “National workshop on Ph.D. Program for Medical Innovations-18.10.2012”
11. Kolhapur Medical Association – CME Clinical updates 11 Feb. 2012
12. National Seminar on recent Advances in Clinical Forensic Practice (NSRACFP- 2014) 22nd March 2014

**Dr. Avik Deb**

1. Indian Pharmacological Society Southern Regional Conference- Belgaum 2016 on “Reassessing Pharmacology in 21st Century” 12.3.2016 to 13.3.2016

**28. Student projects**

- *percentage of students who have taken up in-house projects including inter-departmental projects*

P.G.-100 percent & U.G. – 80% of the student are doing house Project

- *percentage of students doing projects in collaboration with other universities / industry / institute*

Nil

**29. Awards / recognitions received at the national and international level by**

- *Faculty*

Nil

- *Doctoral / post doctoral fellows*

Nil

- *Students*

Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

National conference on Nanopharmacology “Nanoparticles: A new paradigm in Innovative pharmacology”

On 19<sup>th</sup> to 20<sup>th</sup> December 2014

Speakers:-

- Dr. S. H. Pawar  
Emeritus Scientist, Vice chancellor,  
D. Y. Patil University, Kolhapur

- Dr. Nilima Kshirsagar  
National Chair in Clinical Pharmacology, ICMR,  
Dean, ESI-PGIMSRI Govt. of India, MGM Hospital,  
Dr. S. S. Rao Road, Parel, Mumbai
- Dr. B. Dinesh Kumar  
President-Indian Pharmacological Society  
Centre for Advanced Research for Pre-Clinical Toxicology  
National  
Institute of Nutrition (ICMR) Hyderabad
- Dr. Ghosh G.  
UGC-DAE Consortium for Scientific Research, Trombay, Mumbai
- Dr. Mahesh Dattatray Burande  
President, Association of Pharmaceutical Teachers of India, Pune
- Dr. A. J. Rao  
Member –CPCSEA, Professor, Department of Biochemistry  
Indian Institute of Science, Bangalore
- Dr. B. N. Pandey  
Head, Radiation Signaling and Cancer Biology Section, Radiation  
Biology and Health Sciences Division,  
Bhabha Atomic Research Centre, Mumbai
- Dr. Sameer Malhotra  
Professor, Department of Pharmacology  
PGIMER, Chandigarh
- Dr. Meenal Kowshik  
HOD, Department of Biological Sciences,  
BITS Pilani K K Birla Goa Campus, Goa
- Dr. Vandana Rathod  
Professor, Department of Microbiology  
Gulbarga University, Gulbarga
- Dr. Padma V. Devarajan  
Professor and HOD, Pharmaceutical sciences and Technology  
Institute of Chemical Technology Mumbai
- Dr. Pooja P. Sagvekar  
Visiting scientist, Haffkine Institute, Mumbai;  
Consultant Sophia College
- Dr. Sajjad Desai  
Deputy Medical Director  
Serum Institute of India Limited, Hadapsar, Pune
- Dr. A. A. Ranade  
Department of Medical Oncology,  
Deenanath Mangeshkar Hospital, Pune,

Funding Source

Registration fees-Rs. 1,77,000/-

ICMR- Rs. 40,000/-

BRNS-Rs. 40,000/-

DYP-Rs. 2,00,000/-

**31. Code of ethics for research followed by the departments**

- All research is approved by the Institutional Ethics Committee (IEC) and/or IAEC commencement.
- All research is conducted as per the GCP-ICH guidelines and the IEC & /or CPCSEA recommendations. Graduate aptitudes, Research policy GCT, GLP Guideline, IEC/IEAC guidelines.
- Good practice
- Comprehensive
- Research promotion
- H.Q.A.C.

**32. Student profile program-wise:**

MBBS-131 students

MD-02 students

<i>Name of the Program (refer to question no. 4)</i>	<i>Applications received</i>	<i>Selected</i>		<i>Pass percentage</i>	
		<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>
II MBBS	157	94	63	Passed I MBBS	Passed I MBBS

**33. Diversity of students**

<i>Name of the Program (refer to question no. 4)</i>	<i>% of students from the same university</i>	<i>% of students from other universities within the State</i>	<i>% of students from universities outside the State</i>	<i>% of students from other countries</i>
MD Pharmacology 2016	0%	0%	0%	0%
MD Pharmacology 2015	0%	0%	50%	0%
MD Pharmacology 2014	0%	50%	0%	0%

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.**

TATA Consultancy Services Ltd. For campus selection – 09 candidates selected on 04.10.2016.

**35. Student progression**

<i>Student progression</i>	<i>Percentage against enrolled</i>
<i>UG to PG</i>	<i>80 to 90 %</i>
<i>PG to M.Phil, DM / M Ch / DNB</i>	
<i>PG to Ph.D.</i>	
<i>Ph.D. to Post-Doctoral</i>	
<i>Employed</i>	
<ul style="list-style-type: none"> <li>• <i>Campus selection</i></li> <li>• <i>Other than campus recruitment</i></li> </ul>	<p>0 %</p> <p>Around 10 %</p>
<i>Entrepreneurs</i>	Around 90%

**36. Diversity of staff**

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	Nil
<i>from other universities within the State</i>	80 %
<i>from universities from other States</i>	20 %
<i>from universities outside the country</i>	Nil

**37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period**

Nil

**38. Present details of departmental infrastructural facilities with regard to****a) Library**

Number of Books 236

e-books 25

Journal Indian 3, 36 e-Journals, International 36

Digital Library:

- 6 Computer terminals
- Internet connectivity of all 6 terminals
- Subscription of Proquest search engine available

**b) Internet facilities for staff and students**

We have wifi enabled department

Number of Nodes: - 06

**c) Total number of class rooms**

6

**d) Class rooms with ICT facility and 'smart' class rooms****5 common + 1 Demo room**

ICT-enabled classes – 6, Smart Class room - 4

**e) Students' laboratories**

2

**f) Research laboratories**

1(Central research Lab)

**39. List of doctoral, post-doctoral students and Research Associates**

**a) from the host institution/university**

Doctoral

- Dr. M.A. Burande
- Dr. S.S.Patil

**b) from other institutions/universities**

**40. Number of post graduate students getting financial assistance from the university.**

M.D. Pharmacology

Dr. Ravi Patil- concession in fees

Dr. Avik Deb-Concession in fees

**41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

Yes

M.D.Pharmacology – 2012

Fellowship – 2017 (SOP Copy Paste New Course. Dr. Sharma Madam)

**42. Does the department obtain feedback from**

**a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes

Methodology:- Ph.D.-

- To train more scholars in the field.
- Information on availability of existing trained personnel was gathered
- Presence of employment or work opportunities for beneficiaries of new fellowship programs under consideration were ascertained
- Facilities and work needed for training must be available within the institution was confirmed.

**b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Students on staff, curriculum and teaching-learning-evaluation:

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Departmental Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner.
- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.

***c. alumni and employers on the programs offered and how does the department utilize the feedback?***

Alumni and employers on the programs offered:

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Departmental Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner within the constraints and limits laid down by the Medical Council of India.
- Effects of the changes implemented are again discussed at the Departmental Committee to assess impact.

***43. List the distinguished alumni of the department (maximum 10)***

None

***44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.***

**SMART**

1. Second MBBS Alliance for Research and Training-2012 (SMART-2012) 13<sup>th</sup> & 14<sup>th</sup> August Organised by School of Paraclinical Medical, Sciences D. Y. Patil University, Kolhapur
2. Second MBBS Alliance for Research and Training- 2013 (SMART-2013) 13<sup>th</sup> & 14<sup>th</sup> August organised by School of Paraclinical Medical, Sciences D. Y. Patil University, Kolhapur

3. Second MBBS Alliance for Research and Training- 2015.(SMART-2015) 26<sup>th</sup> August organised by School of Paraclinical Medical, Sciences D. Y. Patil University, Kolhapur
4. Second MBBS Alliance for Research and Training-2017 (SMART-2017) 8<sup>th</sup> February 2017 organised by School of Paraclinical Medical, Sciences D. Y. Patil University, Kolhapur

**Guest Lecture:**

1. Guest Lecture by Dr. Gandham on M.B.B.S., M.D(PSM)., DHRD. “Basics of Statistics” organized by the Department of Pharmacology, 2<sup>nd</sup> March 2013 from 1.30-4.30 pm.
2. Guest Lecture by Dr. Abhijeet Korane. M.D. (Med), DNB (Med.) DNB (Nephro) Nephrologist, Sun rise Hospital Kolhapur. “Drug Management of Resistant Hypertension in Chronic Kidney Disease” on 15<sup>th</sup> April 2015 (Wednesday) at 2.30 P.M.
3. Guest Lecture by Dr. Tanmay Vora. Consultant Physicians, Intensivist & Director Surya Hospital. Recognized DNB Medicine Teacher. “Management of Bronchial Asthma” on 20th December 2016 at 1.30 pm.

Conference organized by Department:

National conference on Nanopharmacology “Nanoparticles: A new paradigm in Innovative pharmacology” On 19th to 20th December 2014

**45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

**Teaching Learning Methods**

Teaching Learning Methods

Domain	Pattern	Teaching Learning Methods
Knowledge	Classic	Diadactic & Guest Lectures, Seminars, Journal reading GD, Dissertations, Research
	Modified	<b>Lectures:</b> Questions Interaction, Surveys with exemplifier, Halting time, Guided Lectures, Story-telling integrated teaching <b>Group:</b> Individual task & review, Total group response as triggers.
Skills	Classic	Bedside clinics, Case Presentations, Field work, Camps, Dissertations, Research.
	Modified	Participation in faculty research Teaching UG, <b>student led demonstrations/tutorials</b>
Attitude	Field work, Camps, Tutorials	
Communication	GD, Presentations tutorials, Field work, <b>Camps, SMART/COURT/AMAR</b>	

## Teaching Learning Methods

Domain	Teaching Learning Methods Evidence based medicine, Quiz Teachnology (ICT) assisted Learning Visual studies Case /Problem/based learning Self directed learning Reverse teaching with AV aids (SAT)
Skills	Visual studies Clinical skill lab, simulations Computer assisted learning
Attitude & Communication	Role plays

**46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

## Knowledge:

- Regularly conducted structured teaching program ensures that all updated knowledge required by the students is delivered to them.
- Regular updating of the curriculum ensures continuous quality control.
- Regular CMEs, workshops, Guest lectures ensure that students are in touch with the recent advances in the field
- Participation in research projects both as part of mandatory dissertations and faculty projects is used to train students in this field.
- Identification of slow learners and addressing them.

## Skills:

- Clinical Skills Lab is used to train students in necessary skills.
- Procedures are demonstrated and later supervised to give students confidence and independence.

## Attitude:

- Emphasis on communication skills is done by all faculty.

## Monitoring Learning Outcomes

- Assessments are regularly conducted in a fair and transparent manner.
- Attendance of students is monitored to see its impact on assessment results.

- Formative assessments help to understand the pace of student learning.
- Discussions during teaching-learning sessions help to assess the students.
- Regular monitoring of thesis, presentations, seminars and journal discussions by students helps the faculty to guide students based on their current understanding.
- Log-book
- Feedback

**47. Highlight the participation of students and faculty in extension activities.**

Educated the community for proper storage and disposal of prescribed medication the need of today.	Dr. Sunita Patil Mr. Akshaya Suresh Gadekar
--	--

**48. Give details of “beyond syllabus scholarly activities” of the department.**

ICMR STS

Sr. no.	Name of the Activity	Held on	Level of activity (Regional, State level, National or International)
1	A Sociodemographic study to evaluate the pattern of adverse drug reaction with new inactive of injectable polio vaccine and awareness about IPV	2016 STS- ICMR	Dr. Mrs. A.G.Dhavalshankh Miss.Ahilya Vijaykumar Kanase
2	Comparative Study Of Atorvastatin 10 Mg With Ezetimibe 10 Mg Combination Verses Atorvastatin 80 Mg For Lipid Metabolism And Pleiotropic Vascular Inflammatory Biomarkers In Diabetic Patients.	2014 STS- ICMR	Dr .Mrs Burande M. A. Mr. Aryan Rahul Gune
3	To Educate The Community For Proper Storage And Disposal Of Prescribed Medication The Need Of Today.	2014 STS- ICMR	Dr. Sunita Patil Mr. Akshaya Suresh Gadekar
4	Efficacy of allopurinol in decreasing proteinuria and hyperuricemia in Indian patients with type 2 diabetes	2012	Dr. Mrs. M.A. Burande Mr. Anil Jain

SMART:- Debate , Essay, Quiz, Poster Presentation., Oral Presentation

Poster Presentation:- Dr. Avik Deb.:-

1. Drug Utilisation study of Antibiotic Prophylaxis. 12 Feb. 2015 BIMS, Belgaum.

2. Quiz:-

Paper presentations (U.G.)

Sr.No	Name of faculty	Title
1.	Dr. Sunita Patil, Akshaya S.Gadekar Radhika U. Kadam	To educate the community for proper storage and disposal of prescribed medication- the need of today
2.	Dr. Archana Dhavalshankh , Sandesh	Comparative study and analysis of

Sr.No	Name of faculty	Title
	Nair, Parmanand, Kalyani Kulkarni	psychological stress among medical students
3.	Dr. Ravi Patil , Dr. Meeta Burande , Dr.Dhavalshankh A.G , Dr Sunita Patil .	A comparative study on effects of radio contrast enhanced Computed tomography of the renal system between controlled, Diabetic and hypertensive patients.
4.	Aryan Gune, Dr. Meeta burande, Dr. Pritam Sakhare	Comparative study of atorvastatin 10mg with ezetimibe 10mg combination Versus atorvastatin 80mg for lipid metabolism and pleiotropic Vascular inflammatory biomarkers in diabetes mellitus patients.

## Poster Presentations:-

Sr.No	Name of faculty	Title
1.	Dr. Ravi Patil , Dr. Meeta Burande , Dr.Dhavalshankh A.G , Dr Sunita Patil	A comparative study on effects of radio contrast enhanced Computed tomography of the renal system between controlled, Diabetic and hypertensive patients.
2.	Dr. Avik Deb, Dr. Meeta Burande , Dr.Dhavalshankh A.G , Dr Sunita Patil,Dr.J.C.Tahashildar,Dr.V.R.Patkar	Drug Utilisation Study of Antibiotic Prophylaxis.
3.	Dr. Avik Deb, Dr. Meeta Burande , Dr.Dhavalshankh A.G , Dr Sunita Patil,Dr.J.C.Tahashildar,Dr.V.R.Patkar	Evaluation of knowledge, attitude and perception about generic medicines among medical students and interns in a tertiary care Hospital.

## Academic activity

- 7.4.2015 World Antismoke Day

**49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

NAAC has accredited the University with 'A' Grade in April 2012.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

This is done through research projects and publication.

Departmental Contribution in Nanopharmacology.

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

## Strengths:

- Animal House actively involved for research.
- Student research with ICMR special focus on subspecialty.
- P.G. Department and experienced faculty.
- Outcomes of Structured teaching programs are monitored and responded to

- Cooperative and Cordial relations of faculty facilitate implementation of any changes.
- Herbal Medicine Plantation created in the college.

Weaknesses:-

- Few research projects garnering funds from Central Funding agencies.
- Few Industry collaborations for research activities and extension activities.
- Few International and National Collaborations for research.
- Few Consultancies outside the institution.
- Inadequate publication in high impact factor.

Opportunities:-

- Advance course and Fellowships Courses.
- Increase Research collaboration with Alternative Medicine researchers for use of indigenous herbal preparations for treatment or prevention of diseases.
- Research funding ,

Challenges:-

- Admission in M.D. & Development of Ph.D. courses
- Strengthening of research.

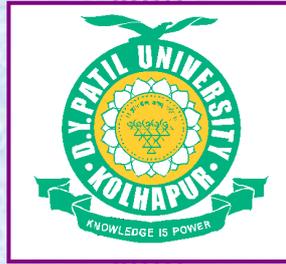
**52. *Future plans of the department.***

Short Term (Within 5 Years)

- Strengthen quality and protocols in the research.
- Create a modular syllabus for undergraduate teaching.
- Upgradation of Animal House.
- To increase number of Fellowship programs.
- Development of interdisciplinary research

Long Term Plans (10 years):

- Create a virtual interactive platform to facilitate teaching-learning for postgraduate and undergraduate students..
- Industry collaboration for research activities and extension activities
- To start certificate course.



## Evaluative Report of the Department

# Microbiology

## Evaluative Report of the Department

**1. Name of the Department**

Microbiology

**2. Year of establishment**

1990

**3. Is the Department part of a college/Faculty of the university?**

Yes

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

<i>Programme</i>	<i>Courses Name</i>
UG	M.B.B.S
PG	M.D. Microbiology
Ph.D	Microbiology
PG Diploma	DMLT

**5. Interdisciplinary programs and departments involved**

Ph.D. Environment.

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

**7. Details of programs discontinued, if any, with reasons**

None

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

U.G.:- 3 formative at the end of term ( 2 terminal and 1 prelim.). 1

Summative at the end of course.

P.G.:- formative at the end of one year.1 Summative at the end of course.

Diploma:- 2 formative (1 term and 1 prelim.) 1 Summative at the end of course.

**9. Participation of the department in the courses offered by other departments**

Nil

**10. Number of teaching posts sanctioned, filled and actual  
(Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	1	1
<i>Associate Professor/Reader</i>	2	3	3
<i>Assistant Professor</i>	2	5	5
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>	4	6	6
<i>Senior Resident</i>	-	-	-

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>
Dr. Premchand Gyanchand Shadija	MBBS, M.D. (Micro)	Professor & HOD	-	22 YRS
Dr. Ms. Saral Jai Ghosh	M.Sc.(Med. Micro), Ph.D. (Micro)	Associate Professor	-	26 YRS
Dr. Mrs. Roma Abhay Chougale	MBBS, M.D. (Micro)	Associate Processor	-	25 YRS
Dr.Mrs. Vishwashanti Satish Vatkar	MBBS, M.D. (Micro)	Assistant Processor	-	16 yrs
Dr.Mrs. Reena Atul Dighe	MBBS, M.D. (Micro)	Assistant Processor	-	26 YRS
Dr.Deepak Wasudeorao Deshkar	MBBS, M.D. (Micro)	Assistant Processor	-	27 YRS
Shri. Janardan Vithal Narute	M.Sc. Micro(Medical)	Assistant Processor	-	23 YRS
Shri Vijaykumar Devidas Somvanshi	M.Sc. Micro(Medical)	Assistant Processor	-	23YRS
Dr. Shobha Bhoi	M.B.B.S	Tutor	-	2 YRS
Dr. Md.Tabrez Karim	M.B.B.S	Tutor	-	1 YRS
Dr. V.M. Patil	M.B.B.S	Tutor	-	8 M
Dr.Kedar Patil	M.B.B.S	Tutor	-	8 M

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

<i>Sr. No.</i>	<i>Name</i>	<i>Whether Visiting Fellows, adjunct faculty, emeritus professors</i>

Nil

**13. Percentage of classes taken by temporary faculty – program-wise information**

0% No temporary faculty

**14. Program-wise Student Teacher Ratio**

<b>Programme</b>	<b>Student-Teacher Ratio</b>
U.G.	9 : 1
PG	1:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual</i>
<b>Academic Staff (technical)</b>			
Technical Assistant	2	2	2
Technicians	2	2	2
Laboratory Attendants.	3	3	3
<b>Administrative Staff</b>			
Store keeper-cum-clerk	1	1	1
Steno-typist	1	1	1
Record Clerk	1	1	1

**16. Research thrust areas as recognized by major funding agencies**

Nil

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Nil

**18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration**

None

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

DYPU Funded 1

Antibiotic resistance pattern in clinical isolates

Principal Investigator: Dr. V. S.Vatkar

Co-Investigator: Dr. S.J.Ghosh

Non-Funded Projects: 14

Dr. Ms. S. J. Ghosh

- To study biofilm production in drug resistant fungi.
- To study bacteriology of wound infections in hospitalized patients.

Dr. Mrs. R. A. Chougale

- Quiz – an innovative method of teaching Microbiology to Medical undergraduate students.
- Prevalence of Parasitic infections in and around Kolhapur.

Dr. Mrs. V. S. Vatkari

- To study the antibiotic sensitivity pattern among clinical isolates (ongoing funded project)
- To study the mechanism of drug resistance in gram negative organisms (Gram Negative Bacilli)

Dr. R. A. Dighe

- Prevalence of MRSA in D.Y.Patil Hospital & research centre . Kolhapur.
- Biomedical waste Management in D.Y.Patil Hospital & research centre . Kolhapur

Dr. D. W. Deshkar

- Development of Microbial based Technology for Hospital Waste Management with the help of Fungus *Periconiella* spp.
- Role of nutmeg in Prevention of ESBL production by E.coli.

Mr. J.V. Narute

- Effects of antiseptics on biofilms produced by pathogenic bacteria
- Effect of silver nitrate on drug resistant bacteria.

Mr. V.D.Somvanshi

- To study siderophore production by different clinical isolates of *Pseudomonas aeruginosa*
- Effect of turmeric on drug resistant bacteria isolated from various clinical specimens

**20. Research facility / centre with**

- **state recognition, national recognition , international recognition**  
Central research laboratory of University is recognized by BARC, ICMR, DST and DBT.

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications:**

- \* **Number of papers published in peer reviewed journals (national / international):**  
26
- \* **Monographs:**  
Nil
- \* **Chapters in Books:**  
Nil
- \* **Books edited:**  
Nil
- \* **Books with ISBN with details of publishers:**  
Nil

- \* *Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):*

- \* *Citation Index – range / average:*

Name of Faculty	Citation Index	I10	SNIP	SJR
Dr.S.J.Ghosh	220	07	-	-

- \* *SNIP:*

- \* *SJR:*

- \* *Impact Factor – range / average:*

2

- \* *h-index:*

8

**23. Details of patents and income generated**

Nil

**24. Areas of consultancy and income generated**

(Free Consultancy) Nil

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Nil

**26. Faculty serving in**

**a) National committees**

Dr. Roma Chougale	1. Life Member of Indian Science congress Association –L 15212 From 25.11.2009 2. Life Member of Indian Medical Association MAH/26175/53/289/195055/2014-2015/L from 31.08.2014
Dr. R.A.Dighe	Member of Indian Association of Medical Microbiologists.

**b) International committees**

**c) Editorial Boards**

HOD on editorial Board of MJDYPU

**d) any other (specify)**

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs**

**Dr. P.G.Shadija**

1. Recent Advances in R.N.T.C.P. & MDR T. B. D.Y.Patil Medical College,Kolhapur Nationa 14<sup>th</sup> & 15<sup>th</sup> Feb. 2014

**Dr. S.J.Ghosh**

1. Workshop on Global Trends in MET . National D.Y.Patil Medical College.Kolhapur26.3.2012 to 27.3.2012
2. Recent Advances in R.N.T.C.P. & MDR T. B. D.Y.Patil Medical College,Kolhapur Nationa 14th & 15th Feb. 2014
3. Vin Micro 2014 National conference in clinical Microbiology National5.7.2014 to 6.7.2014
4. Micro con 2014 Annual conference of IAMM National 18 -19 October 2014
5. National confenence on Nano Pharmacology NCNP-2014 National 19th to 20th December 2014

**Dr. R.A.Chougale**

1. Pre-conference CME of Joint Annual Conference of IAPSM-IPHA Maharashtra Kolhapur Jan. 2012 Delegate ( 2 credit hours)
2. Joint Annual Conference of IAPSM-IPHA Maharashtra Karad Jan 2012 Delegate ( 4 credit hours)
3. National Workshop on “GLOBAL Trends in Medical Education Technology” D.Y.Patil University Kolhapur. 26th 27 March 2012.
4. KMACON Recent Advances in Medical Practice Kolhapur Nov.2013 Delegate ( 2 credit hours)
5. KMA-CME programme on Ischaemic heart disease Kolhapur Dec.2013 Delegate ( 1 credit hours)
6. National Conference on Recent Advances in RNTCP & Approach to Multi-Drug Resistant Tuberculosis 2014 Kolhapur Feb. 2014 Organising Secretary Credit hours
7. National Seminar on Recent Advances in Clinical Forensic Practice Kolhapur March 2014 Delegate 2 Credit hours
8. CME on Current Chaffenges in Clinical Microbiology on 22nd June 2014.
9. National Conference on Nano-Pharmacology NCNP Kolhapuar Dec. 2014 Organising Secretary 4 Credit hours
10. MCI Basic workshop in Medical Education Technologies Aundh-Pune Aug. 2014 Participant ( 2 credit hours)
11. National Conference on Convergence of Stem Cells and Medical

Nanotechnology National 2nd & 3rd September 2015

12. National Seminar on Andrology updates – 2016 – National 20 March 2016
13. Mahamicrocon 2016, Maharashtra Chapter Conference of Indian Association of Medical Microbiologists, and “CME on Infections and Sterilization in Day to Day practica” 25 & 26 September 2016.
14. National Conference on Haematology & Blood Transfusion (NCHBT-2017) 18th March 2017
15. National Conference on Haematology & Blood Transfusion (NCHBT-2017) 19th March 2017

**Dr. D.W.Deshkar**

1. Workshop on Global Trends in MET. D.Y.Patil Medical College, Kolhapur National 26.3.2012 to 27.3.2012
2. CME on Recent trends in Medicine KMA 11.3.2012 to 12.3.2012
3. Recent Advances in R.N.T.C.P. & MDR T. B. D.Y.Patil Medical College, Kolhapur National 14th & 15th Feb. 2014
4. Recent adv. In clinical forensic National D.Y.Patil Medical College, Kolhapur 22nd March 2014
5. National conference on Nano Pharmacology NCNP-2014 National 19th to 20th December 2014
6. International Conference on Onco pathology International 3.1.2015 to 5.1.2015
7. 6th Internal Seminar on Recent advances in Oncopathology International 3rd & 4th Jan 2015
8. National Seminar on Andrology updates – 2016 – National 20 March 2016
9. Swine Flu (Influenza update) H1N1 National 28 May 2016
10. National Conference on Haematology & Blood Transfusion (NCHBT-2017) 18th March 2017
11. National Conference on Haematology & Blood Transfusion (NCHBT-2017) 19th March 2017

**Dr. R.A.Dighe**

1. Workshop on Molecular technique MUHS – Aundh National 16.1.12 to 17.1.12

2. Workshop on Global Trends in MET . D.Y.Patil Medical College.Kolhapur National 26.3.2012 to 27.3.2012
3. Recent Advances in R.N.T.C.P. & MDR T. B. D.Y.Patil Medical College,Kolhapur Nationa 14th & 15th Feb. 2014
4. National confenence on Nano Pharmacology NCNP-2014 National19th to 20th December 2014
5. International Conference on Onco pathology International 3.1.2015 to 5.1.2015
6. MAHAMICROCON 2016 “Challenges in Infections Diseases – Endemic to Epidemic ” XXII – Maharashtra Chapter Conferecne of Indian Association of Medical Microbiologists
7. National Conference on Haematology & Blood Transfusion (NCHBT- 2017) 18th March 2017
8. National Conference on Haematology & Blood Transfusion (NCHBT-2017) 19th March 2017

**Dr. V.S.Vatkar**

1. Workshop on Global Trends in MET. D.Y.Patil Medical College.Kolhapur National 26.3.2012 to 27.3.2012
2. Recent Advances in R.N.T.C.P. & MDR T. B. D.Y.Patil Medical College,Kolhapur Nationa 14th & 15th Feb. 2014
3. Recent trends in anaerobic infections KLE, University CME 22nd June 2013
4. Recent adv. In clinical forensic National D.Y.Patil Medical College, Kolhapur 22nd March 2014
5. CME on the current challenges in clinical Microbiology Wanless Hospital.MirajState22nd June 2014
6. National confenence on Nano Pharmacology NCNP-2014 National19th to 20th December 2014
7. National Seminar on Andrology updates – 2016 – National20 March 2016
8. MAHAMICROCON 2016 “Challenges in Infections Diseases – Endemic to Epidemic ” XXII – Maharashtra Chapter Conferecne of Indian Association of Medical Microbiologists. State 23 rd & 25 th Sept. 2016. – Solapur

9. National Conference on Haematology & Blood Transfusion (NCHBT-2017) 18th March 2017
10. National Conference on Haematology & Blood Transfusion (NCHBT-2017) 19th March 2017

**Dr. J.V.Narute**

1. Workshop on Global Trends in MET. D.Y.Patil Medical College, Kolhapur National 26.3.2012 to 27.3.2012
2. Recent Advances in R.N.T.C.P. & MDR T. B. D.Y.Patil Medical College, Kolhapur National 14th & 15th Feb. 2014
3. Recent adv. In clinical forensic National D.Y.Patil Medical College, Kolhapur 22nd March 2014
4. National conference on Nano Pharmacology NCNP-2014 National 19th to 20th December 2014
5. Swine Flu (Influenza update) H1N1 National 28 May 2016

**Dr. V.D.Somvanshi**

1. Workshop on Global Trends in MET. D.Y.Patil Medical College, Kolhapur National 26.3.2012 to 27.3.2012
2. Recent Advances in R.N.T.C.P. & MDR T. B. D.Y.Patil Medical College, Kolhapur National 14th & 15th Feb. 2014
3. Recent adv. In clinical forensic National D.Y.Patil Medical College, Kolhapur 22nd March 2014
4. National conference on Nano Pharmacology NCNP-2014 National 19th to 20th December 2014

MET training by MEU done by Dr. R.A.Chougale.

**28. Student projects**

- *percentage of students who have taken up in-house projects including inter-departmental projects*

U.G. 100%                      U.G. 21 completed

U.G. 21 Ongoing.

P.G. 100 %

- *percentage of students doing projects in collaboration with other universities / industry / institute*

Nil

**29. Awards / recognitions received at the national and international level by**• **Faculty**

Nil

• **Doctoral / post doctoral fellows**

Nil

• **Students**

Dr. Nisha Patil (Karanje) Recived IInd Prize for Oral Presentation in IAMM state conference at A.F.M.C. Pune.2013.

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Details of Seminars/ Conferences/Workshops	Date	Source of Funding	Resource persons
National Conference on Recent advance in RNTCP and approach to MDR-TB at D.Y.Patil Medical College Kolhapur with department of Community Medicine	14 <sup>th</sup> , 15 <sup>th</sup> Feb 2014.	ICMR State T.B. office Maharashtra D.Y. Patil University, Kolhapur	<ul style="list-style-type: none"> <li>• N.N.Ramraje – HOD, Pulmonary Medicine,GMC Mumbai,Chairman S.T.F. Maharashtra</li> <li>• Dr.H.H.Chavan, S.T.O. Maharashtra</li> <li>• Dr. Yeole R. &amp; Dr. Imran Sayed WHO – RNTCP Consultant</li> <li>• Dr. R.D.Kulkarni, HOD, Micro., S.D.M. M.C, Dharwad</li> </ul>

**31. Code of ethics for research followed by the departments**

All research activities are approved by Intuitional Ethical Committee before commencement.

**32. Student profile program-wise:**

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
II MBBS	157	94	63	Passed I MBBS	Passed I MBBS

**33. Diversity of students**

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MD Microbiology 2016	0%	0%	0%	0%
MD Microbiology 2015	0%	0%	33.33%	0%
MD Microbiology 2014	0%	33.33%	0%	0%

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

Nil

35. Student progression

<i>Student progression</i>	<i>Percentage against enrolled</i>
<i>UG to PG</i>	90 %
<i>PG to M.Phil, DM / M Ch / DNB</i>	NIL
<i>PG to Ph.D.</i>	01
<i>Ph.D. to Post-Doctoral</i>	01
<i>Employed</i>	
• <i>Campus selection</i>	1 %
• <i>Other than campus recruitment</i>	9 %
<i>Entrepreneurs</i>	90%

36. Diversity of staff

<i>Percentage of faculty who are graduates</i>		
<i>of the same university</i>	U.G.- 07 %	P.G.- 20 %
<i>from other universities within the State</i>	U.G.- 73.33 %	P.G.- 26.67
<i>from universities from other States</i>	U.G.- 20 %	P.G.- 00%
<i>from universities outside the country</i>	U.G.- 00 %	P.G.-00%

37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) *Library*

No. of Books 260

No. of E-books 25

No. of Journal-National 02, Internal 39

b) *Internet facilities for staff and students*

Yes HOD Room- 01

Associate Professor Room-01

Assistant Professor- 04

c) *Total number of class rooms*

06

d) *Class rooms with ICT facility and 'smart' class rooms*

04

e) *Students' laboratories*

1

***f) Research laboratories***

2

***39. List of doctoral, post-doctoral students and Research Associates***

Doctoral Students:-

Passed Ph D. students

- Dr. Sachin Otari
- Dr. Vidya Karande
- Dr. Arpita Pande Tiwari

***a) from the host institution/university***

Dr. Mrs. V. S . Vatkari-DYPU Kolhapur

***b) from other institutions/universities***

- Miss. Shyambala Suresh Gavade. Shivaji University, Kolhapur.
- Miss. Puja Mahadev Patil Shivaji University, Kolhapur.
- Miss. Pokharnikar Nirmala Balaso, Shivaji University, Kolhapur.

***40. Number of post graduate students getting financial assistance from the university.***

02

***41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.***

Nil

***42. Does the department obtain feedback from***

***a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?***

Yes

- The suggestion received are discussed as departmental committee meeting.
- The recommendations of departmental committee are analyzed.
- The results are implemented in phased manners.
- Action taken report is submitted to the Departmental Committee by the respective faculty in charge.
- The feedback is analyzed and valid suggestions are put into curriculum committee. Necessary changes are made

***b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?***

Yes

- Feedback is taken from the faculty on curriculum and teaching learning evaluation. The feedback is analyzed and valid suggestions are put into curriculum committee. Necessary changes are made after discussion.

***c. alumni and employers on the programs offered and how does the department utilize the feedback?***

- The suggestions received and the results of feedback are discussed at the Departmental Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner within the constraints and limits laid down by the Medical Council of India.
- Effects of the changes implemented are again discussed at the Departmental Committee to assess impact.

***43. List the distinguished alumni of the department (maximum 10)***

- Dr. Walawalkar A. S., Assistant Professor, R.C.S.M. Govt. Medical College, Kolhapur.
- Dr. Bhosale A. L., Associate Professor, Bharti Vidyapeeth Deemed University Sangli.
- Dr. Nisha Karanje, Associate Professor, Bharti Vidyapeeth Deemed University, Sangli.
- Dr. Saumya Singh, Asst. Professor, Heritage Medical College, Banaras.
- Dr. Mrinal Ranjan, Medical Officer, ECHS Katihar.
- Dr. Mrs. Rashmi Tomar, Assistant Professor, Gwalior Medical College.
- Dr. Shilpy Singh, Assistant Professor, Hazaribag College of Dental Science and Hospital, Bihar
- Dr. Uday Shankar, Junior Cardiologist, Department of cardiology at Medicity, Dhanwad.
- Dr. Rashmi Pawar, Asst. Professor, R.C.S.M. Govt. Medical College, Kolhapur

***44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.***

Conference:- Recent Advances in RNTCP & Approach to Multi-Drug Resistant Tuberculosis 2014-14<sup>th</sup> & 15<sup>th</sup> February, 2014

Guest Lectures: on Nosocomial infections by Dr. Vanita Kulkarni, Head department of Microbiology, RCSM, Govt. Medical College, Kolhapur on 11<sup>th</sup> Oct 2012,

- Dr. S. V. Gandham, Associate Professor, department of P.S.M., R.C.S.M. Kolhapur. “Basics of Statistics 2 March 2013”
- “Recent advances in diagnostic methods for tuberculosis”  
Dr. Santosh S. Patil, Ph.D. (Medical) Microbiology. Dept. Of Microbiology, Bharati Vidyapeeth Deemed University, Medical College, Sangli on 7<sup>th</sup> August 2015.
- Dr. Indumati delivered a guest lecture for II nd M.B.B.S., UMGS activity on “STEM CELL THERAPY” organized by the Department of Microbiology on 16<sup>th</sup> April 2016.

Quiz: Under graduate Microbiology quiz, Maharashtra Chapter of Indian Association of Medical Microbiologists (IAMM) Regional round. External Expert Dr.Vanita Kulkarni, Head department of Microbiology, RCSM, Kolhapur on 21<sup>st</sup> August 2014.

**SMART**-Second MBBS Alliance for Research and Training. Debate on “Euthanasia” was organized on 8<sup>th</sup> Feb.2017. with external expert advocate Varsha Shinde from Sangli HighCourt.

AMAR For ph.D. students

**45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

Teaching Learning Methods

Domain	Pattern	Teaching Learning Methods
Knowledge	Classic	Didactic & Guest Lectures, Seminars, Journal Reading, GD, Dissertations, Research
	Modified	<b>Lectures:</b> Questions Interaction, Guided Lectures, Immediate Mastery Quiz, <b>Group:</b> Individual Task & Review, First Person Experiences, Total Group Response As Triggers.
Skills	Classic	Case Presentations, Field Work, Camps, Dissertations, Research.
	Modified	Participation In Faculty Research Teaching UG, Student Led Demonstrations/Tutorials
Attitude	Tutorials	
Communication	GD, Presentations Tutorials, Smart/Court/Amar	

## Teaching Learning Methods

Domain	Teaching Learning Methods Evidence based medicine, Quiz Narrative teaching, Webinars Teachnology (ICT) assisted Learning Visual studies Problem/Project based learning Self directed learning Reverse teaching with AV aids (SAT)
Skills	Visual studies Computer assisted learning
Attitude & Communication	Role plays Role modeling Experiential learning

**46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

**1. Knowledge:**

- a. Regularly conducted structured teaching program ensures that all updated knowledge required by the students is delivered to them.
- b. Regular updating of the curriculum ensures continuous quality control.
- c. Regular CMEs, workshops, Guest lectures etc ensure that students are in touch with the recent advances in the field
- d. Participation in research projects both as part of mandatory dissertations and faculty projects is used to train students in this field.
- e. Identification of slow learners and addressing slow learners.

**2. Skills:**

- a. Regular Bedside teaching during daily rounds, grand rounds, case presentations, case discussions is done
- b. Clinical Skills Lab is used to train students in necessary skills.
- c. Procedures are demonstrated and later supervised to give students confidence and independence.

**3. Attitude:**

- a. Emphasis on communication skills is done by all faculty during rounds and clinical teaching
- b. Role playing for patient related issues such as breaking bad news etc, is done

- c. Role modeling by faculty contributes to this area
- d. Empathy towards patients and relatives is conveyed to students through word, teaching and example.

**Monitoring Learning Outcomes**

- a. Assessments are regularly conducted in a fair and transparent manner
- b. Attendance of students is monitored to see its impact on assessment results
- c. Formative assessments help to understand the pace of student learning
- d. Discussions during teaching-learning sessions help to assess the students
- e. Regular monitoring of thesis, presentations, seminars and journal discussions by students helps the faculty to guide students based on their current understanding.
- f. Log-book
- g. Feedback

**47. Highlight the participation of students and faculty in extension activities.**

1.	Dr. Roma Chougale	Organ Donation Awareness camp Essay Competition
2.	Dr. V.S. Vatkar	Sensitization of D.Y.Patil Hospital Residents about new CLSI Guidelines
3.	Mr. V.D.Somvanshi	Lecture on Spread of infection diseases for school students.
4.	Mr. J. V. Narute	Visit of school student to department Museum.
5.	Dr. Deshkar D.W. Dr. R.A. Dighe	Examination of School student for fungal infection

**48. Give details of “beyond syllabus scholarly activities” of the department.**

Small Group Research Project to all U.G. Students , Monthly bulletin- Microbes by P.G. Students

**49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

NAAC in 2012

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Publications in journals

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strengths

- Adequate Infrastructure.
- Research on Biosynthesis of Nanoparticle .
- Experienced and enthusiastic faculty.
- Outcomes of Structured teaching programs are monitored.
- Cooperative and Cordial relations of faculty facilitate for implementation of any changes.

Weaknesses

- Few research projects garnering funds from Central Funding agencies.
- Few Industry collaborations for research activities and extension activities.
- Few International and National Collaborations for research.
- Few Consultancies outside the institution.
- Inadequate publication in high impact factor.

Opportunities

- Increase Research collaboration with other Institutions .
- Obtain funds from external agency for research.
- To create awareness about antibiotic stewardship.
- Interdepartmental projects.
- Collaboration with Industry for research projects.

Challenges

- Industry collaborations for research activities and extension activities to be increased.
- Quality of research papers to be increased for publication in journal with high Impact factor.
- Automation in Lab. Diagnosis.
- Control of development of drug resistance.
- Control Hospital Infection.

**52. *Future plans of the department.***

Short term Plans

- CME on Antibiotic Stewardship
- Training all faculty members in MEU workshop
- Development of anaerobic Laboratory.

Long term Plans

- Choice based learning programmes
- Fellowship in Hospital Infection control.
- To extend consultancy services



## **Evaluative Report of the Department**

## **Forensic Medicine & Toxicology**

### Evaluative Report of the Department

**1. Name of the Department**

Forensic Medicine & Toxicology

**2. Year of establishment**

1990

**3. Is the Department part of a college/Faculty of the university?**

Yes. The department is part of the College.

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

<i>Programme</i>	<i>Courses Name</i>
UG	M.B.B.S

**5. Interdisciplinary programs and departments involved**

Nil

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

**7. Details of programs discontinued, if any, with reasons**

Nil

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

Annual, Three formative and one summative

**9. Participation of the department in the courses offered by other departments**

Nil

**10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	0	0
<i>Associate Professor/Reader</i>	1	1	1
<i>Assistant Professor</i>	1	1	1
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>	2	5	5
<i>Senior Resident</i>	-	-	-

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>
Dr.Suresh Katageri	M.D. (FMT)	Assoc. Professor	Forensic Medicine	9 Years 04Months
Dr.Indira L. Asingi	M.D. (FMT)	Asst. Professor	Forensic Medicine	06 Years 09 Months
Dr.Mrs.Anjali S.Jog	M.D.	Tutor	Microbiology	26 Years 03 Months
Dr.Mrs. Bharati S.Ghotane	M.S.	Tutor	Anatomy	25 Years 04 Months
Dr.Sachin S.Mutalik	M.B.B.S.	Tutor	-	11 Months
Dr.Shabiullah Syyed	M.B.B.S.	Tutor	-	07 Months
Dr.Parth Nagda	M.B.B.S.	Tutor	-	07 Months

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

<i>Sr. No.</i>	<i>Name</i>	<i>Whether Visiting Fellows, adjunct faculty, emeritus professors</i>

Nil

**13. Percentage of classes taken by temporary faculty – program-wise information**

No temporary faculty. All faculty are permanent

**14. Program-wise Student Teacher Ratio**

<i>Programme</i>	<i>Student-Teacher Ratio</i>
UG	15.1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>sanctioned</i>	<i>filled</i>	<i>actual</i>
<b>Academic Supportive Staff</b>			
Technician	2	2	2
<b>Administrative Staff</b>			
Attendant	2	1	1
Steno / Storekeeper / Clerk	1	1	1
Sweeper	1	1	1

**16. Research thrust areas as recognized by major funding agencies**

Nil.

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Nil

**18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration**

Nil

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

Nil

**20. Research facility / centre with**

Central research laboratory is recognised by DARC, ICMR, DST & DBT.

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications:**

\* **Number of papers published in peer reviewed journals (national / international):**

5

\* **Monographs:**

Nil

\* **Chapters in Books:**

Nil

\* **Books edited:**

Nil

\* **Books with ISBN with details of publishers:**

\* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):**

Nil

\* **Citation Index – range / average:**

0-1

\* **SNIP:**

\* **SJR:**

\* **Impact Factor – range / average:**

\* **h-index:**

**23. Details of patents and income generated**

Nil

**24. Areas of consultancy and income generated**

Nil

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Nil

**26. Faculty serving in***a) National committees**b) International committees**c) Editorial Boards - MJDYP**d) any other (specify)*

Nil

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

Name	Conference	CME	Workshop	Training
Dr.Suresh Katageri	-	4	-	-
Dr.Indira L. Asingi	-	-	-	-
Dr.Mrs.Anjali S.Jog	9	5	4	-
Dr.Mrs. Bharati S. Ghotane	8	8	3	-

**28. Student projects**

- percentage of students who have taken up in-house projects including inter-departmental projects*

Nil

- percentage of students doing projects in collaboration with other universities / industry / institute*

Nil

**29. Awards / recognitions received at the national and international level by**

- Faculty*
- Doctoral / post doctoral fellows*
- Students*

Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Nil

**31. Code of ethics for research followed by the departments**

Research is approved by ethics committee

**32. Student profile program-wise:- 131 Students**

<i>Name of the Program (refer to question no. 4)</i>	<i>Applications received</i>	<i>Selected</i>		<i>Pass percentage</i>	
		<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>
II MBBS	157	94	63	Passed I MBBS	Passed I MBBS

**33. Diversity of students**

<i>Name of the Program (refer to question no. 4)</i>	<i>% of students from the same university</i>	<i>% of students from other universities within the State</i>	<i>% of students from universities outside the State</i>	<i>% of students from other countries</i>

Nil

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.**

Nil

**35. Student progression**

<i>Student progression</i>	<i>Percentage against enrolled</i>
<i>UG to PG</i>	80-90%
<i>PG to M.Phil, DM / M Ch / DNB</i>	-
<i>PG to Ph.D.</i>	-
<i>Ph.D. to Post-Doctoral</i>	Nil
<i>Employed</i>	
• <i>Campus selection</i>	Nil
• <i>Other than campus recruitment</i>	10%
<i>Entrepreneurs</i>	90%

**36. Diversity of staff**

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	<b>30%</b>
<i>from other universities within the State</i>	
<i>from universities from other States</i>	
<i>from universities outside the country</i>	

**37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period**

Nil

**38. Present details of departmental infrastructural facilities with regard to**

**a) Library**

Yes. No of books titles-18, no of books-128

**b) Internet facilities for staff and students**

Yes – 4 Points.

**c) Total number of class rooms**

2 Demo Rooms, 02 Practical Halls, 04 Lecture theatres (common)

**d) Class rooms with ICT facility and ‘smart’ class rooms**

Yes – ICT facility for 6 class rooms & 4 Smart class rooms

**e) Students’ laboratories**

One Central Research Laboratory (RICH CELL)

**f) Research laboratories**

One Interdisciplinary Laboratory

**39. List of doctoral, post-doctoral students and Research Associates**

**a) from the host institution/university**

Nil

**b) from other institutions/universities**

Nil

**40. Number of post graduate students getting financial assistance from the university.**

Nil

**41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

Nil

**42. Does the department obtain feedback from**

**a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes, feedback is taken from faculty in the board of studies meeting and also during examination from the examiners. Feedback taken is analyzed and the important suggestions are put into curriculum. Required and necessary changes are made.

**b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Yes, feedback is taken from the faculty on curriculum and teaching-learning evaluation. The feedback is analyzed and valid suggestions are put into curriculum committee. Necessary changes are made.

***c. alumni and employers on the programs offered and how does the department utilize the feedback?***

Yes, feedback is taken from Alumni and employers and suggestions are taken which are analyzed and necessary changes were made.

***43. List the distinguished alumni of the department (maximum 10)***

Nil

***44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.***

SMART

***45. List the teaching methods adopted by the faculty for different programs including clinical teaching.***

Didactic lectures, Practicals Demonstrations, Tutorials, Tests, Seminars, Integrated teaching, Debates, Quiz, lectures with halting time, story telling.

***46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?***

Knowledge

- Regularly conducted structured teaching program.
- Regular updating of the curriculum.
- Encouragement of fast learners for participation in research and Quiz.
- Identification of slow learners and improving slow learners.

Skills

- Conduction & observation of students during practical exercise.
- Conduction of O.S.P.E. [Objective Structured Practical Evaluation].
- Procedures are demonstrated and later supervised.

Attitude:

- Emphasis on communication skills is done by all faculty during conduction of various procedures.
- Students are trained to correlate clinical history with pathological findings.

Monitoring Learning Outcomes

- Assessments are regularly conducted.

- Attendance of students is monitored.
- Formative assessments help to understand the pace of student learning
- Discussions during teaching-learning sessions.
- Log book/ Practical record book/ journal are monitored.
- Regular monitoring of thesis, presentations, seminars and journal discussions by students helps the faculty to guide students based on their current understanding.
- Feedback

***47. Highlight the participation of students and faculty in extension activities.***

Nil

***48. Give details of “beyond syllabus scholarly activities” of the department.***

- Organization of seminars, SMART
- Organization of Quiz

***49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.***

Nil

***50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.***

Nil

***51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.***

Strengths

- Excellent Learner Oriented Teaching
- Remedial coaching
- New T/L Methods
- Good Team Work
- Oxycological garden .

Weakness

- Vast syllabus hence difficult to complete.
- According to MCI less number of faculty.
- No PG or Ph.D. Program in our Department.

- No Medico-legal work is conducted in our department-including post mortem examination. Because not permitted by the Govt. of Maharashtra.

#### Opportunities

- Improvement of Departmental Museum.
- Reform of educational resources and question.
- To conduct ICMR Project in future.
- To improve student knowledge level.
- To increase staff numbers.

#### Challenges

- To obtain permission from Government of Maharashtra.
- Permission to conduct Medico-legal work

#### ***52. Future plans of the department.***

To improve Department



## **Evaluative Report of the Department**

# **Community Medicine**

### Evaluative Report of the Department

**1. Name of the Department**

Community Medicine

**2. Year of establishment**

1989

**3. Is the Department part of a college/Faculty of the university?**

Yes. Department is part of the College

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

<i>Programme</i>	<i>Courses Name</i>
UG	M.B.B.S

**5. Interdisciplinary programs and departments involved**

Nil

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

**7. Details of programs discontinued, if any, with reasons**

NA

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

UG- Three formative at the end of term (2 Terminal and 1 Prelim exam) and one summative at the end of course.

**9. Participation of the department in the courses offered by other departments**

Nil

**10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	3	3
<i>Associate Professor/Reader</i>	2	1	1
<i>Assistant Professor</i>	5	7	7
<i>Lecturer (Statistic)</i>	1	1	1
<i>Tutor / Clinical Instructor</i>	4	5	5
<i>Senior Resident</i>	-	-	-

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>
Dr.(Mrs) Wagh Anjali V.	MBBS, MD	Professor & H.O.D.	Community Medicine	26 Yrs.
Dr. Patil Vijaykumar Shivajirao	MBBS, DPH, MD, DIOH	Professor	Community Medicine	34 yrs.
Dr. J.U.Yadav	MBBS, MD, DHA, PGDMLS	Professor	Community Medicine	18 Yrs.
Dr.A.D.Waghmode	MBBS, MD	Associate Professor	Community Medicine	18 yrs.
Dr.Patil Snehdeep s.	MBBS, MD, DPH, AFIH	Asst. Professor	Community Medicine	7 yrs
Dr. More T.A.	MBBS, MD	Asst. Professor	Community Medicine	4 Yrs.
Dr.Gill Nareshkumar	MBBS, MD	Asst. Professor	Community Medicine	6 Yrs.
Dr.B.K.Patil	MBBS, MD, M.Sc.(Epid)	Asst. Professor Cum Epidemiologist	Community Medicine	6 Yrs.
Dr. J.S.Shete	MBBS, MD, DDM	Asst. Professor	Community Medicine	5 Yrs.
Dr. Meshram Pravin D.	MBBS, MD	Asst. Professor	Community Medicine	3 Yrs
Dr. Shaikh Mohd. Kamran	MBBS, MD	Asst. Professor	Community Medicine	3 Yrs
Mrs. Desai M. M.	M.Sc.	Asst. Professor Cum Statistician	Statistics	22 Yrs.
Dr. A. S. Patil	MBBS	Tutor/ Demonstrator		13 yrs.
Dr. R. M. Bhand	MBBS	Tutor / Demonstrator		13 yrs.
Dr. Pawaskar Nandkumar	MBBS	Tutor/ Demonstrator		1 yrs.
Dr. Chavan Vidya A.	MBBS	Tutor/ Demonstrator		7 Months
Dr. Megha Chougule	MBBS	Tutor/ Demonstrator		3 Months

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

<i>Sr. No.</i>	<i>Name</i>	<i>Whether Visiting Fellows, adjunct faculty, emeritus professors</i>

Nil

**13. Percentage of classes taken by temporary faculty – program-wise information**

0%. Department has all Permanent faculty & no temporary faculty member hence not applicable

**14. Program-wise Student Teacher Ratio**

<i>Programme</i>	<i>Student-Teacher Ratio</i>
M.B.B.S.	9.4:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual</i>
<i>Academic Staff (technical) &amp; Administrative Staff</i>			
Medical Social Worker	1	1	1
Technicians/ Technical Assistant	1	1	1
Stenographer	1	1	1
Record Clerk	1	1	1
Storekeeper	1	1	1
Sweeper/Peon	1	1	1

**16. Research thrust areas as recognized by major funding agencies**

Environmental Health & Epidemiology–

Funded by DAE-BRNS, Govt. of India 2009-2012,

PI: Dr. V. S. Patil (Prof. Dept. of Community Medicine)

PC: Dr. B.K. Sapra (BARC Scientist)

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Number of Faculty: One from Department of Community Medicine

National Projects: One

International Projects: Nil

Total Grants received: Nil

Funding agency: DAE-BRNS

Project Title: Baseline Health survey around Jaitapur Nuclear Power Plant.

Grant received: 25 Lakhs

**18. Inter-institutional collaborative projects and associated grants received****a) National collaboration**

One

Funding agency: DAE-BRNS

Collaboration With: BARC

Project Title: Baseline Health survey around Jaitapur Nuclear Power Plant.

Grant received: Rs.25 Lakhs

PI: Dr. V. S. Patil (Prof. Dept. of Community Medicine)

PC: Dr. B.K. Sapra (BARC Scientist)

**b) International collaboration**

Nil

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

ICMR – STS Projects- 2

A) Funded by National Agencies:

Project	Grant (Rs.)	Funding Agency	Period
Baseline Health survey around Jaitapur Nuclear Power Plant.	25 lakhs	DAE-BRNS	2009-2012
A cross sectional study to assess effect of school-bag weight & musculoskeletal health problems in primary school students of Kolhapur to implicate ergonomically suitable solutions	10,000	ICMR	2016

**B) Funded by University:**

Project	Grant (Rs.)	Funding Agency	Period
To assess the effectiveness of innovative “special nutrition mix” given to the children attending Anganwadis in Kasaba bawada	6,00,000	D Y Patil University	2014
Study of implementing ACSM activities for TB control in Powerloom workers of Ichakaranji.	2,75,000	D Y Patil University	2014
Baseline survey of a village under Sansad Adarsh Gram Yojana ( SAGY)	6,50,000	D Y Patil University	2014

**20. Research facility / centre with**

- *state recognition*
- *national recognition*
- *international recognition*

Central research laboratory of university is recognized by BARC, ICMR, DST, DBT

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications:**

- \* *Number of papers published in peer reviewed journals (national / international):*

18. As per Medical Council Of India, recommended databases for medical publications are Scopus, Pubmed, Index Copernicus

- \* *Monographs:*

Nil

- \* *Chapters in Books:*

Nil

\* **Books edited:**

Nil

\* **Books with ISBN with details of publishers:**

Nil

\* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):**

Nil

\* **Citation Index – range / average:**

\* Nil

\* **SNIP:**

Nil

\* **SJR:**

Nil

\* **Impact Factor – range / average:**

Range – 1.576 to 6.391. Average – 3.937

\* **h-index:**

Nil

**23. Details of patents and income generated**

Nil

**24. Areas of consultancy and income generated**

Nil

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

1 Dr. B.K. Patil, Asst. Professor, selected for M.Sc. Epidemiology at London School of Hygiene and Tropical Medicine, University of London, 2012-13.

**26. Faculty serving in**

**a) National committees b) International committees c) Editorial Boards  
d) any other (specify)**

- Dr. S. S. Patil, Asst. Professor, Peer reviewer for Journal MVPJMS (Maratha Vidya Prasarak Samaj's Journal of Medical Sciences)
- Dr. J. U. Yadav, Professor- Board of Studies, KIMS, Karad.

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

Name of Faculty	Workshop	Training	MET	CME	Conference
Dr. Mrs. A. V. Wagh	6	0	0	2	8
Dr. V. S. Patil	4	0	0	1	2
Dr. J. U. Yadav	3	0	1	1	1
Dr. S.S. Patil	6	2	2	5	3
Dr. B.K. Patil	0	0	0	0	2
Dr. T.A. More	2	0	1	1	2

**28. Student projects**

ICMR – STS Projects

Year	Project title	Name of Students	Guide
2015	To study causes & frequency of delay in diagnosis of Multidrug Resist TB (MDR-TB)	Miss. Apurva Patel	Dr. A. V. Wagh
2016	A Cross- Sectional study to assess effect of Schoolbag weight & musculoskeletal health problems in primary School Students of Kolhapur to implicate ergonomically suitable solution	Miss. Rachanna Pavaskar	Dr. S. S. Patil

UG Short Term Research Project: **107**

- *percentage of students who have taken up in-house projects including inter-departmental projects*

100 %

- *percentage of students doing projects in collaboration with other universities / industry / institute*

Nil

**29. Awards / recognitions received at the national and international level by**

- *Faculty*

Nil

- *Doctoral / post doctoral fellows*

Nil

- *Students*

Students Name	Awards
Chavan Digvijay	Best paper presentation – 2 <sup>nd</sup> Prizes in National Conference on Recent advances on RNTCP & MDR–TB. 14 & 15 Feb.,2014
Pavaskar Rachanna	Best paper presentation – 1 <sup>st</sup> Prize in MEDICON 2016 – International UG Conf. at Lucknow

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Details of Seminars/ Conferences/Workshops	Date	Source of Funding	Resource persons
Workshop on application of Statistics in Medical Research	19 <sup>th</sup> & 20 <sup>th</sup> January, 2015	D.Y. Patil University, Kolhapur.	<ul style="list-style-type: none"> <li>• Dr. D.T. Shirke, HOD, Dept of Statistics, Shivaji University.</li> <li>• Dr. D.N. Kashid, Prof., Dept of Statistics, Shivaji University.</li> <li>• Mrs. M. M. Desai, Lecturer, Dept. of Comm. Medicine.</li> </ul>
National Conference on Recent advance in RNTCP and approach to MDR-TB at D.Y.Patil Medical College Kolhapur	14 <sup>th</sup> , 15 <sup>th</sup> Feb 2014.	ICMR State T.B. office Maharashtra D.Y. Patil University, Kolhapur	<ul style="list-style-type: none"> <li>• N.N.Ramraje – HOD, Pulmonary Medicine, GMC Mumbai, Chairman S.T.F. Maharashtra</li> <li>• Dr.H.H.Chavan, S.T.O. Maharashtra</li> <li>• Dr. Yeole R. &amp; Dr. Imran Sayed WHO – RNTCP Consultant</li> <li>• Dr. R.D.Kulkarni, HOD, Micro., S.D.M. M.C, Dharwad</li> </ul>

**31. Code of ethics for research followed by the departments**

- All research is approved by the Institutional Ethical Committee before commencement.
- All research is conducted as per the GCP-IPH guidelines and IEC recommendations.

**32. Student profile program-wise:**

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
III/I MBBS	131	88	43	Passed II MBBS	Passed II MBBS

**33. Diversity of students**

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries

Nil

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.**

Nil

**35. Student progression**

<i>Student progression</i>	<i>Percentage against enrolled</i>
<i>UG to PG</i>	<b>90%</b>
<i>PG to M.Phil, DM / M Ch / DNB</i>	-
<i>PG to Ph.D.</i>	-
<i>Ph.D. to Post-Doctoral</i>	-
<i>Employed</i>	
• <i>Campus selection</i>	0%
• <i>Other than campus recruitment</i>	10 %
<i>Entrepreneurs</i>	90%

**36. Diversity of staff**

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	18.5 %
<i>from other universities within the State</i>	69 %
<i>from universities from other States</i>	12.5 %
<i>from universities outside the country</i>	-

**37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period**

Nil

**38. Present details of departmental infrastructural facilities with regard to****a) Library**

Books - 272

e-Books- 28

e-Journals- 11

Departmental Reading Room: 01

**b) Internet facilities for staff and students**

Internet Points:

Staff Room: 6

Demo Rooms: 1

Research Lab: 1

Office: 1

HOD Room: 2

Museum: 2

**c) Total number of class rooms**

6

**d) Class rooms with ICT facility: 6 and 'smart' class rooms: 4****e) Students' laboratories**

1

**f) Research laboratories**

1 + 1(RICH) / Museum:1

**39. List of doctoral, post-doctoral students and Research Associates**

**a) from the host institution/university**

**b) from other institutions/universities**

Nil

**40. Number of post graduate students getting financial assistance from the university.**

Nil

**41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

Nil

**42. Does the department obtain feedback from**

**a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Faculty on curriculum as well as teaching-learning-evaluation:

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Departmental Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner.
- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.

**b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Students on staff, curriculum and teaching-learning-evaluation:

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Departmental Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner.

- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.

***c. Alumni and employers on the programs offered and how does the department utilize the feedback?***

Alumni and employers on the programs offered:

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Department Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner within the constraints and limits laid down by the Medical Council of India.
- Effects of the changes implemented are again discussed at the Departmental Committee to assess impact.

***43. List the distinguished alumni of the department (maximum 10)***

Nil

***44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.***

- Student Seminar & poster competition on WHO Day-2016 'Halt Rise, Beat Diabetes'.
- Guest Lecture on 'Vector borne diseases: prevention & control' by Dr. R. B. Mugade, DDHS, Kolhapur on 16/03/2016
- Student Seminar on World Zoonosis Day on 08/07/15
- Student Seminar & Poster competition on WHO Day-2015 'Food Safety: From farm to Plate'.
- Student Seminar & Poster competition on WHO Day-2014 'Vector Borne Disease: Small Bite, Big Threat'.
- Conference for students on 'National Conference on Recent advance in RNTCP and approach to MDR-TB at D.Y.Patil Medical College, Kolhapur' on 14<sup>th</sup> & 15<sup>th</sup> February.
- Student Seminar on World Breastfeeding Week on Aug-2013.
- Student Seminar & Poster competition on WHO Day-2013 'Hypertension'.

**45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

- Lectures with survey with exemplar, Halting time
- Tutorials: Individual task & review
- Seminar
- Field visits
- Family Visit
- Practicals
- Clinico-social Case study
- Family study
- Visit to Institution of Public Importance
- Visit to PHC, UHC, school, Anganwadi
- Project Based Learning,

**46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

Meeting Program Objectives:

Knowledge:

- Regularly conducted structured teaching program ensures that all updated knowledge required by the students is delivered to them.
- Regular updating of the curriculum ensures continuous quality control.
- Regular CMEs, workshops, Guest lectures ensure that students are in touch with the recent advances in the field.
- Participation in research projects both as part of mandatory dissertations and faculty projects is used to train students in this field.
- Identification of slow learners and addressing slow learners.
- Continuous updates on knowledge of National health programmes.
- Epidemiological Techniques and methods are regularly updated through workshops and field visits.

Skills:

- The principals and practice of medicine in hospital & community

settings.

- Use of art of patient communication
- Use of epidemiology as scientific tool to make rational decision relevant to community and individual patient intervention.
- Collect, analyse, interpret and present simple community and hospital based data.
- Plan, implement and evaluate a health education program.
- Diagnose and manage common health problems and emergencies at individual, family & community level.

Attitude:

- Emphasis on communication skills is done by all faculty during clinical teaching, health survey and family survey.
- Social awareness towards personal, family and community health problems.
- Special focus on under privileged section of community.
- Empathy towards patients and relatives is conveyed to students through words, teaching and example.

Monitoring Learning Outcomes

- Assessments are regularly conducted in a fair and transparent manner.
- Attendance of students is monitored to see its impact on assessment results.
- Formative assessments help to understand the pace of student learning.
- Discussions during teaching-learning sessions help to assess the students.
- Regular assessment through Journals and workbooks.
- Regular student seminar on recent topics to assess knowledge updation
- Feedback

**47. Highlight the participation of students and faculty in extension activities.**

<b>Date</b>	<b>Activities</b>	<b>Place</b>
1-7 August 2012	Breast Feeding Week Celebration: a) Counseling of ANC & PNC women	D Y Patil Hospital, Kadamwadi Kolhapur & UHTC-Kasaba Bawda
1 <sup>st</sup> December 2012	World AIDS Day Celebration: a) Seminar presentation on 'AIDS & Current status' b) Poster competition c) Street Play	D Y Patil Hospital, Kadamwadi Kolhapur & UHTC-Kasaba Bawda
24 <sup>th</sup> March 2013	World TB day Celebration a) Presentations on 'TB & RNTCP'. b) Health education	D Y Patil Hospital, Kadamwadi Kolhapur & RHTC-Ghotawade
7-13 April 2013	WHO Day Celebration: Theme- 'Hypertension- Healthy heart beat- Healthy Blood pressure' a) Poster Competition b) Street Play c) Blood Pressure check up & health education camp d) Screening of Hypertension for factory workers	D Y Patil Hospital campus, Kadamwadi Kolhapur UHTC-Kasaba Bawda & RHTC-Ghotawade Bhogawati Sugar Factory, Kolhapur
1-7 August 2013	Breast Feeding Week Celebration: a) Seminar on Breast feeding for UG students	D Y Patil Medical College, Kolhapur
14-15 September 2013	Health camp & Hb Estimation for adolescent girls	UHTC-Kasaba Bawda
1 <sup>st</sup> December 2013	World AIDS Day Celebration: a) Poster competition	D Y Patil Hospital campus, Kadamwadi Kolhapur
21 <sup>st</sup> December 2013	Health talk on "Adolescent Health Problem" for College Students	D Y Patil Medical College, Kolhapur
January 2014	Participation in Pulse Polio Immunization	Kolhapur City
14-15 February 2014	Organization of National Conference on "Recent advances in RNTCP & approach to MDR-TB 2014"	D Y Patil Medical College, Kolhapur
24 <sup>th</sup> March 2014	World TB day Celebration: a) Poster presentation	D Y Patil Hospital campus, Kadamwadi Kolhapur
7- 10 April 2014	WHO Day Celebration: Theme- 'Vector Borne Diseases-small bite, big threat' a) Health education on Malaria-Dengue b) Poster exhibition on Vector Borne Diseases	UHTC-Kasaba Bawda & RHTC-Ghotawade D Y Patil Hospital campus, Kadamwadi Kolhapur
5 <sup>th</sup> June 2014	World Environmental Day: Tree Plantation activity	D Y Patil Hospital campus, Kadamwadi Kolhapur
6 <sup>th</sup> August 2014	Health Talk on 'Adolescent Health' for students	D Y Patil Medical College, Kolhapur
1 <sup>st</sup> December 2014	World AIDS Day Celebration: a) Health education	RHTC-Ghotawade

Date	Activities	Place
January 2015	Participation in Pulse Polio Immunization	Kolhapur City
3-9 March 2015	International Women's Day Celebration: a) Mahila Arogya Abhiyaan- ANC check up, TT Immunization & FSFA tablets distribution, b) Health education on JSY & Family planning, c) Seminar on 'Save Girl Child'	UHTC – Kasaba Bawda, Kolhapur
24 <sup>th</sup> March 2015	World TB day Celebration: a) Seminar presentation	D Y Patil Medical College, Kolhapur
27 <sup>th</sup> March 2015	Health camp for mothers & children Under NUHM	UHTC – Kasaba Bawda, Kolhapur
7 <sup>th</sup> April, 2015	World Health Day Celebration: Theme- 'From Farm to plate, Make Food Safe' a) Posters competition b) Presentation of Seminar on WHO Day theme c) Nutrition education on "Food Safety" d) Nutritional assessment of children	D Y Patil Hospital campus, Kadamwadi Kolhapur UHTC – Kasaba Bawda, Kolhapur In Anganwadi -Kasaba Bawda, Kolhapur
5 <sup>th</sup> June 2015	World Environmental Day celebration: a) Health Talk on Environmental Sanitation	UHTC – Kasaba Bawda
6 <sup>th</sup> July 2015	World Zoonosis day Celebration: a) Seminar on "Zoonosis – Rabies"	D Y Patil Medical College, Kolhapur
11 <sup>th</sup> July 2015	World Population Day celebration: a) Students seminar on population Explosion	D Y Patil Medical College, Kolhapur
1-7 September 2015	Nutrition Week Celebration: a) Nutritional assessment of Anganwadi children, b) Nutrition Education c) Distribution of supplementary food	Various Anganwadis, Kasaba Bawda, Kolhapur
15 <sup>th</sup> September 2015	Health check up Camp for Visually impaired children	Dyan prabodhini's Blind School, Kolhapur
6-8 October 2015	a) Street play- "Save Baby girls- Beti Bachav Beti Padhav Campaign	D Y Patil Hospital campus, Kadamwadi Kolhapur Various places in Kolhapur city
1 <sup>st</sup> December 2015	World AIDS Day Celebration: a) Integrated Seminar on HIV-AIDS for UG students	D Y Patil Medical College, Kolhapur
January 2016	Participation in Pulse Polio Immunization	Kolhapur City
29 <sup>th</sup> February 2016	Maha Arogya abhiyan 2016 a) Mother & Child Health checkup camp b) Health education on safe Mother hood, Janani Suraksha Yojana, Family Planning & Prevention of communicable diseases	RHTC-Ghotawade
24 <sup>th</sup> March 2016	World TB Day Celebration: a) Health talk for OPD patients b) Poster competition	D Y Patil Hospital campus, Kadamwadi Kolhapur
7 <sup>th</sup> April	World Health Day Celebration:	UHTC-Kasaba Bawda,

Date	Activities	Place
2016	Theme- Beat Diabetes a)Screening for Diabetes b)poster competition c)Health Talk d)Seminar On Diabetes	Kolhapur D Y Patil Medical College, Kolhapur
6 August 2016	Health Camp under NRHM	Kasaba Walave, Radhanagari
30 August-1 September 2016	Organ Donation Awareness Campaign: a)Walkathon b)Street Play c)Poster , Rangoli & Essay Competition	Dasara Chowk, Kolhapur D Y Patil Hospital campus, Kadamwadi Kolhapur D Y Patil Medical College, Kolhapur
1 <sup>st</sup> December 2016	World AIDS Day Celebration: Theme-Hands Up for HIV prevention a)Poster competition b)Health talk on epidemiology, recent updates & future strategies	UHTC-Kasaba Bawda, Kolhapur

**48. Give details of “beyond syllabus scholarly activities” of the department.**

Date /Year	Activity	Name of the Faculty/Student	Remarks
4 <sup>th</sup> & 5 <sup>th</sup> Aug.2016	Workshop of Research Methodology	Dr. A.V.Wagh	Resource Person
Jan-2016	ICMR STS Project	Ms. Rachana Pawaskar	Research Project
7 <sup>th</sup> April 2016	World Health day 2016 Poster Presentation Competition	Students	
23 <sup>rd</sup> March 2016	Participation in IPHA Intermedical Public Health Quiz	Pranav Kesvani Kalyani Kulkarni	
March to August 2016	UG Short Term Research Project	All Faculty & Students	31 Reserch Project Submitted
24 to 26 Jan 2016	State level Public Health Colloquium, JJMMC, Davangiri	Dr.B.K.Patil	Resource Person
7 <sup>th</sup> April 2015	World Health day 2015 Poster Presentation Competition	Students	
17 <sup>th</sup> March,201 5	Annual Meet on Advanced Research ( AMAR - 2015)	Dr. S.S.Patil	Org. Secretary
March to August 2015	UG Short Term Research Project	All Faculty & Students	30 Reserch Project Submitted
March 2015	Participation in IPHA Intermedical Public Health Quiz	Rachhana Pawaskar S. Josephine	
Jan 2015	ICMR STS Project	Ms. Apurva Patel	Research Project
19 <sup>th</sup> & 20 <sup>th</sup> January,20 15	Workshop on application of Statistics in Medical Research	Mrs. M. M. Desai & All faculty	Co-convener & Resource Person

Date /Year	Activity	Name of the Faculty/Student	Remarks
14 <sup>th</sup> 15 <sup>th</sup> Feb 2014.	National Conference on Recent advance in RNTCP and approach to MDRTB at D.Y. Patil Medical College Kolhapur	Dr. A.V.Wagh & All Faculty & Students	Org. Secretary, Treasurer, Committee members
14 <sup>th</sup> 15 <sup>th</sup> Feb 2014.	National Conference on Recent advance in RNTCP and approach to MDRTB at D.Y. Patil Medical College Kolhapur	Mr. Digvijay Chavan	I prize in Scientific Paper Presentation
16 <sup>th</sup> 17 <sup>th</sup> Feb 2014.	International Workshop on “Ph – D Programme for Medical Innovations”	Dr.P.B.Jagirdar Dr. A.V.Wagh	Org. Comm. Member
March 2014	Participation in IPHA Intermedical Public Health Quiz	Unmesh Sutar	
March to August 2014	UG Short Term Research Project	All Faculty & Students	25 Reserch Project Submitted
7 <sup>th</sup> April 2014	World Health day 2014 Poster Presentation Competition	Students	
25 <sup>th</sup> to 27 <sup>th</sup> August, 2014	“Basic Course Workshop in Medical education technology” at Pune	Dr. S.S.Patil Dr. T.A.More	
10 <sup>th</sup> & 11 <sup>th</sup> Oct.,2014	XXVI Annual Conf. of KACH at KLEU’s J.N.Medical College, Belgaum	Dr. A.V.Wagh* Dr. S.S.Patil** Dr. T.A.More	* Chairperson ** Paper presented
26 <sup>th</sup> & 27 <sup>th</sup> Nov. 2014	Live video conf. on “First joint CReATE Centre Workshop on Ethics Data- management Biostat. & Pharmaco vigilance in Clinical Research	All faculty	
19 <sup>th</sup> & 20 <sup>th</sup> December, 2014	National Conf. on Nano - Pharmacology	Dr. A.V.Wagh Dr. S.S.Patil Dr. J.U.Yadav	Chairperson Org. Comm. Member
30 <sup>th</sup> Nov 2013	Meta Analysis Workshop at Bharati Vidyapeth Sangli	Dr. S.S.Patil	
27 <sup>th</sup> Dec 2013	Workshop on Innovations in Maternal and Child Health Nutrition by MUHS Regional Centre Pune	Dr. S.S.Patil	
11 <sup>th</sup> and 12 <sup>th</sup> Oct 2013	Workshop on Intensification of Medical Research in the University	All Faculty	
2 <sup>nd</sup> to 6 <sup>th</sup> Dec 13.	I.D.F, Melbourne 2 <sup>nd</sup> to 6 <sup>th</sup> Dec 13	Dr. A.V.Wagh	
17 <sup>th</sup> Nov 2013	KMACON 17 <sup>th</sup> Nov 2013	Dr. A.V.Wagh	
March to August 2013	UG Short Term Research Project	All Faculty & Students	21 Reserch Project Submitted
13 -14 Jan	State Conference of IAPSM &	Dr.A.V.Wagh	

Date /Year	Activity	Name of the Faculty/Student	Remarks
2012	IPHA at KIMS, Karad	Dr. V.S.Patil Dr. P.B.Jagirdar	
26 -27 MARCH 2012	National workshop on GLOBMET	Dr.A.V.Wagh Dr. V.S.Patil	
March 2013	Participation in IPHA Intermedical Public Health Quiz	Digvijay Chavan Anjali Ashokkumar	
7 <sup>th</sup> April 2013	World Health day 2013 Poster Presentation Competition	Students	
18 <sup>th</sup> 19 <sup>th</sup> Oct.2012	Nationasl workshop on Ph.D. Programme for Medical Innovations	Dr.V.S.Patil Dr. P.B.Jagirdar	Org. Secretary Member

**49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

The College is a constituent unit of D.Y. Patil University accredited 'A' grade by NAAC

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Publications in peer Reviewed & Indexed Journals

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strengths

- Motivated, Committed & Experienced Staff
- Successfully administering UHTC& RHTC, Ghotawade & attachment with 4 PHCs. Interns & UG are posted in these health centres for training & research
- Excellent Statistical unit providing support to Research Activity
- Well equipped Dept. Library with Reading room and access to students for research activity
- Innovations in teaching like case based teaching,short term UG Projects

Weakness

- No PG Course
- National & International collaborations
- Getting Govt. sponsored projects.

- Funding from external agencies
- Inadequate publications in high impact factor journals

Opportunities

- To develop Institutional collaboration with Government health agency
- To get research grants from National & International agency.
- Faculty exchange programme at national & International level.
- To develop outreach centre for community Health.
- Collaboration with NGO working for Underprivileged.

***52. Future plans of the department.***

Short Term (Within 5 Years)

- Start Post Graduate Course.
- Strengthen Government Partnership in Health Delivery.
- Create a modular syllabus for undergraduate teaching.
- Start Credit based Evaluation.
- To Start of Fellowship programs.

Long Term Plans (10 years):

- Satellite health centers in Rural and Tribal Area.
- Center of excellence for TB care
- Establish a Super specialty Preventive Health Care Center for improved patient care
- Create a virtual interactive platform to facilitate teaching-learning for postgraduate and undergraduate students.



## **Evaluative Report of the Department**

# **General Medicine**

## Evaluative Report of the Department

**1. Name of the Department**

General Medicine

**2. Year of establishment**

1990

**3. Is the Department part of a college/Faculty of the university?**

Yes. Part of the College.

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

MBBS, MD General Medicine, PhD, Fellowship programs.

**5. Interdisciplinary programs and departments involved**

Ph.D.: Departments of Medicine and Pharmacology

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

**7. Details of programs discontinued, if any, with reasons**

Nil

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

UG:

Formative: Internal assessments are taken at the end of 6<sup>th</sup> 7<sup>th</sup> 8<sup>th</sup> & 9<sup>th</sup> Semesters and a Preliminary exam is also taken.

Summative: Final examination taken at end of course.

PG:

Formative: Internal assessments are taken at end of every year.

Summative: Final examination is taken at end of course.

**9. Participation of the department in the courses offered by other departments**

Participation of faculty from Department of Medicine is present in the training program of departments of

1. Dermatology, Venerology and Leprosy
2. Psychiatry
3. Radiology

**10. Number of teaching posts sanctioned, filled and actual  
(Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	4	4
<i>Associate Professor/Reader</i>	4	3	4
<i>Assistant Professor</i>	10	10	10
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>	-	-	-
<i>Senior Resident</i>	5	7	7

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>
Dr. Rajesh Khyalappa	MD Medicine	Professor	General Medicine	21 yrs
Dr. V.R. Wagh	MD Medicine	Professor	General Medicine	34 yrs
Dr. Sushma Jotkar	MD Medicine	Professor	General Medicine	20 yrs
Dr. Shimpa Sharma	MD Medicine	Professor	General Medicine	19 yrs
Dr. Rajendra Mane	MD Medicine	Assoc. Professor	General Medicine	13 yrs,
Dr. Shailendra Mane	MD Medicine	Assoc. Professor	General Medicine	15 yrs,
Dr. Rajesh Patil	MD Medicine	Assoc. Professor	General Medicine	13 yrs,
Dr. Ajit Joshi	MD Medicine	Asst. Professor	General Medicine	8 yrs,
Dr. Aneesh Amate	MD Medicine, DM (Gastro)	Asst. Professor	Gastroenterology	7 yrs,
Dr. Abhay Arage	MD Medicine	Asst. Professor	General Medicine	5 yrs,
Dr. Buddhiraj Patil	MD Medicine	Asst. Professor	General Medicine	4 yrs
Dr. Kunal Patil	MD Medicine	Asst. Professor	General Medicine	3 yrs
Dr. Vijay Nagaonkar	MD Medicine	Asst. Professor	General Medicine	2 Yr,
Dr. Arjun Adnaik	MD Medicine, DM (Cardio)	Asst. Professor	Cardiology	11 yrs,
Dr. Smita Kudalkar	MD Medicine	Asst. Professor	General Medicine	5 yrs,

In addition faculty from following departments are closely involved in our UG/PG training program, research and clinical work

<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>
Dr. Abhijit Ganphule	MD, DM Hematology	Assoc. Professor	Clinical Hematology	7 yrs
Dr. Abhijit Korane	MD Medicine, DNB (Nephro)	Asst. Professor	Nephrology	4 yrs,
Dr. Ghule Pravin M	MD Medicine, DM (Nephro)	Asst. Professor	Nephrology	2 yrs,

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

<i>Sr. No.</i>	<i>Name</i>	<i>Whether Visiting Fellows, adjunct faculty, emeritus professors</i>

Nil

**13. Percentage of classes taken by temporary faculty – program-wise information**

0 %

No temporary faculty for both UG and PG programs.

**14. Program-wise Student Teacher Ratio**

<i>Programme</i>	<i>Student-Teacher Ratio</i>
MBBS	7:1
MD	1:1
PhD	1:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual</i>
<i>Academic Staff (technical)</i>	4	4	4
<i>Administrative Staff</i>	4	4	4

**16. Research thrust areas as recognized by major funding agencies**

- Radiation Medicine –  
Funded by DAE-BRNS, Govt. of India 2009-2012,  
PI: Dr. R. J. Khyalappa  
PC: Dr. S. D. Sharma (BARC Scientist)
- Diabetes Mellitus-  
Funded by D. Y. Patil University, Kolhapur  
PI: Dr. R. Khyalappa (2011-2013)  
PI: Dr. Shimpa Sharma (2017-2019)

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Number of Faculty: One from Department of Medicine

National Projects: One

International Projects: Nil

Total Grants received: Rs. 25 lakhs

Funding agency: DAE-BRNS

Project Title: Medical Exposure to the population around Jaitapur due to diagnostic applications.

**18. Inter-institutional collaborative projects and associated grants received****c) National collaboration b) International collaboration**

- Medical Exposure to the population around Jaitapur due to diagnostic applications.

PI: Dr. R. K. Khyalappa

PC: Dr. S. D. Sharma (BARC Scientist)

Grant received: Rs. 25 Lakhs

Funded by DAE-BRNS, Govt. of India 2009-2012

- Evaluation of an ayurvedic formulation in treatment of Diabetes Mellitus in Type I and Type II Diabetic patients.

PI: Prof. Mrs. Akalpita U. Arvindekar (Shivaji University)

CI: Dr. R. J. Khyalappa

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

Funded by National Agencies:

Project	Grant (Rs.)	Funding Agency	Period
Medical Exposure to the population around Jaitapur due to diagnostic applications.	25 lakhs	DAE-BRNS	2009-2012

Funded by University:

A Study of Peripheral Neuropathy in Type-2 Diabetes Mellitus.	5 lakhs	D Y Patil University	2011-2013
Haptoglobin levels and phenotyping in T2 Diabetic patients and correlation with cardiovascular morbidity and hepatic complications	2 lakhs	D Y Patil University	2016-2018

Total Grants Received (A + B): Rs. 32 Lakhs

**20. Research facility / centre with**

- *state recognition*
- *national recognition*
- *international recognition*

Central Research Laboratory of University is recognized by BARC, ICMR, DST and DBT.

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

## 22. Publications:

- \* **Number of papers published in peer reviewed journals (national / international):**

37

As per Medical Council of India, recommended databases for medical publications are Scopus, Pubmed, Index Copernicus, Index Medicus, Medline and Embase

- \* **Monographs:**

NIL

- \* **Chapters in Books:**

02 Chapters in textbook Title: 'Methodology of Dermatological diseases' Edited by Dr. Yogesh Shah. Yet to be published

- \* **Books edited:**

NIL

- \* **Books with ISBN with details of publishers:**

- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):**

32

- \* **Citation Index – range / average:**

Range / average: 3-4

- \* **SNIP:**

0

- \* **SJR:**

1

- \* **Impact Factor – range / average:**

Range / average: 1-2.643

- \* **h-index:**

## 23. Details of patents and income generated

Nil

## 24. Areas of consultancy and income generated

- Consultancy on prevention of water-borne diseases in garden premises of National Association of Socially, Economically and Orthopedically Handicapped (NASEOH), Chembur- a consultancy given to Garden Unit, NASEOH, Chembur India.
- Consultancy to Indumati Multipurpose Foundation, Kolhapur given to tackle the challenge of depressive symptoms and withdrawal of senior inhabitants of the Old Age Ashram. Physical and mental activities, safe

for their limitations and age-appropriate were identified and suggested to the management.

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

02 faculty members.

They were selected by the University of Technology, Mauritius to serve as Examiners for the MD Medicine exams conducted by them in 2013, 2016.

**26. Faculty serving in**

**a) National committees b) International committees c) Editorial Boards  
d) any other (specify)**

12 Faculties

1. Dr. R. J. Khyalappa - Editor of the Medical Journal of the D Y Patil University (MJDYPU) from 2012-2017
2. Dr. V. R. Wagh – Member of Editorial Board of MJDYPU from 2012-2015
3. Dr. Shimpa Sharma – Member of Editorial Board of MJDYPU from 2016-2017
4. Dr. Rajesh Khyalappa – Member of Editorial Board of SM Journal of General Medicine.
5. Dr. Shimpa Sharma – Member of Editorial Board of SM Journal of General Medicine.
6. Dr. R. J. Khyalappa served as Vice-Chairman (2015-2016) and Chairman (2016-2017) of the local chapter of the Association of Physicians of India, Kolhapur.
7. Dr. R. R. Mane served as Secretary (2014-2016), Vice Chairman (2016-2017) of the Society of Critical Care, Kolhapur; Executive Body Member (2016-2017) of the local chapter of the Association of Physicians of India, Kolhapur.
8. Dr. Rajesh Patil served as Vice-Chairman (2012-13), Chairman (2013-2014) and member of Advisory Board (2014-2017) of the local chapter of the Association of Physicians of India, Kolhapur. Chairman of the Society of Critical Care, Kolhapur (2016-17)
9. Dr. Abhijeet Korane served as Vice-Chairman (2016-17) of the local chapter of the Association of Physicians of India, Kolhapur; and Hon. Secretary (2016-17) of the Society of Critical Care, Kolhapur.
10. Dr. Abhay Arage served as Executive Body Member (2016-2017) of the local chapter of the Association of Physicians of India, Kolhapur

11. Dr. Kaustubh Aurangabadkar as Executive Body Member (2016-2017) of the local chapter of the Association of Physicians of India, Kolhapur.
12. Dr. Ajit Joshi served as Chairman (2016-2017) of the Kolhapur Nephrology Association.
13. Dr. Abhijeet Korane served as Executive member (2016-2017) of the Kolhapur Nephrology Association.
14. Dr. Pravin Ghule served as Executive member (2016-2017) of the Kolhapur Nephrology Association.

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

Certificate Courses/ workshops/training programs:

1. Dr. Shimpa Sharma – completed certificate course of Essential Skills of Medical Educators organized by European Society for Medical Education in 2015.
2. Dr. R. K. Khyalappa completed certificate course on “Current Regulatory Requirements for members of Institutional Ethics Committee”, organized by CDSA, an extramural unit of THSTI, DBT, Ministry of Science & Technology, Government of India in December, 2015.
3. Dr. Rajesh Khyalappa completed the Revised Basic course for Medical Teachers Training at the Maharashtra University of Health Sciences Nodal centre, Pune in 2016.
4. Dr. Rajesh Khyalappa completed the ATCOM Module certificate course by the Medical Teachers Training at the Maharashtra University of Health Sciences Nodal centre, Pune in 2016.
5. Dr. Shimpa Sharma completed the Revised Basic course for Medical Teachers Training at the Maharashtra University of Health Sciences, Nashik in 2016.
6. Dr. Shimpa Sharma completed the ATCOM Module certificate course by the Medical Teachers Training at the Maharashtra University of Health Sciences, Nashik in 2016.
7. Dr. Shimpa Sharma has done the ‘Research in Ethics’ course organized by the Public Health Foundation of India in 2017.
8. Dr. Sushama Jotkar is doing the Euler Course for Rheumatic Diseases from October 2015 – October 2017.

9. Dr. Sushama Jotkar has done Post Graduate course in Diabetology -Boston University School of Medicine - completed in Jan 2016
10. Dr. Sushama Jotkar has done Diploma programme in cardiac Emergencies - Boston University School of Medicine in 2015-16
11. All faculty have undergone MET training by MEU.

Conferences/CME/Updates:

Sr. No.	Name	Designation	Number of conferences/CM E/Workshops attended	Number of conferences as Faculty
1	Dr. Rajesh Khyalappa	Professor & HOD	12	-
2	Dr. V.R. Wagh	Professor	08	-
3	Dr. Sushma Jotkar	Professor	10	-
4	Dr. Shimpa Sharma	Professor	06	02
5	Dr. Rajendra Mane	Assoc. Professor	05	-
6	Dr. Shailendra Mane	Assoc. Professor	06	-
7	Dr. Rajesh Patil	Assoc. Professor	05	-
8	Dr. Niranjana Rathod	Assoc. Professor	06	-
9	Dr. Ajit Joshi	Asst. Professor	05	-
10	Dr. Aneesh Amate	Asst. Professor	06	01
11	Dr. Kaustubh Aurangabadkar	Asst. Professor	06	02
12	Dr. Abhay Arage	Asst. Professor	04	-
13	Dr. Buddhiraj Patil	Asst. Professor	04	-
14	Dr. Kunal Patil	Asst. Professor	02	-
15	Dr. Vijay Nagaonkar	Asst. Professor	04	-
16	Dr. Shailendra Kumbhar	Asst. Professor	03	-
17	Dr. Arjun Adnaik	Asst. Professor	06	2
18	Dr. Prakash Mothite	Asst. Professor	03	-
19	Dr. Smita Kudalkar	Asst. Professor	03	-
20	Dr. Suhas Badave	Asst. Professor	05	-

#### 28. Student projects

- *percentage of students who have taken up in-house projects including inter-departmental projects*
- *percentage of students doing projects in collaboration with other universities / industry / institute*

100% students are doing in-house projects

#### 29. Awards / recognitions received at the national and international level by

- *Faculty*

Three

International:

- Dr. Shimpa Sharma is Head of the UNESCO Chair of Bioethics of

the Kolhapur-India Unit

- Dr. R. J. Khyalappa is member of the Foundation Steering Committee of the UNESCO Chair of Bioethics of the Kolhapur-India Unit

National:

- Dr Shimpa Sharma (Faculty) was invited to speak on ‘NAFLD-current status and future perspectives’ at the Mid-Term CME of the Association of Physicians of India (Himachal Pradesh Chapter) on 18<sup>th</sup> & 19<sup>th</sup> June at the Indira Gandhi Medical College, Shimla.
- Dr Sushama Jotkar (Faculty) was awarded the 1st prize in a Quiz Competition in 2016 at the ECHO-Summit.
- *Doctoral / post doctoral fellows*
- *Students*

PG Student Dr Purshottam Kumar Sinha was awarded the 1<sup>st</sup> Prize for Platform presentation at the APICON 2016, Hyderabad for his paper “A Study of Cystatin C as a marker of Kidney Injury”

**30. *Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.***

No	Nature of program	Theme	Period	Funding	Outstanding participants
1	Update	Diabetes Mellitus-Update on Management	December 18 <sup>th</sup> 2016	Industry & Registration Fee	Dr M Patwardhan, Endocrinologist. Dr V Kripalani, Endocrinologist Dr V Wagh, Professor, Medicine Dr Amit Asalkar, Endocrinologist
2	Webinar Conference	Trilogue-2016	November 13 <sup>th</sup> 2016	Industry	Dr. Anjan Lal Dutta, Dr. G P Sugunuru, Dr. Sunil Sathe all Cardiologists, Dr. Manoj Chadda, Dr. Balram Sharma, Dr. Sanjay Ghosh all Endocrinologist, Dr. Edwin Fernando, Dr. K L Gupta Nephrologist.
3	CME & Workshop	Golden Hour Care in ICU	April 26 <sup>th</sup> 2015	Industry, Hospital, Association, Registration Fee	Dr. PK Jain, Dr. T Borania, Dr. Meeta Mehta all Intensivist, Dr. Santosh Prabhu Neurosurgeon, Dr. Vilas Naik Nephrologist.
4	CME	VAP-Prevention in Indian Settings	November 30 <sup>th</sup> 2014	Industry & Registration Fee	Dr. Kapil Zirpe, Director and incharge of NeuroCritical Care ICU at Ruby Hall Clinic, Pune
5	CAD conference by Cardiovascular society of India in association with European society of Cardiology	AMI Conclave 2014	August 24 <sup>th</sup> 2014	Industry, Association, College	Dr. MS Hiremath, Dr. Ashok Bhupali, Dr. C. V. Patil, Dr. Prabhu Halkatti, all Cardiologists

**31. Code of ethics for research followed by the departments**

- All research is approved by the Institutional Ethics Committee (IEC) before commencement.
- All research is conducted as per the GCP-ICH guidelines and the IEC recommendations.

**32. Student profile program-wise:**

<i>Name of the Program (refer to question no. 4)</i>	<i>Total number</i>	<i>Selected</i>		<i>Pass percentage</i>	
		<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>
III/II MBBS	142	96	46	Passed III/I MBBS	Passed III/I MBBS

**33. Diversity of students**

<i>Name of the Program (refer to question no. 4)</i>	<i>% of students from the same university</i>	<i>% of students from other universities within the State</i>	<i>% of students from universities outside the State</i>	<i>% of students from other countries</i>
MD Medicine 2016	50%	16.67%	33.33%	0%
MD Medicine 2015	16.67%	50%	33.33%	0%
MD Medicine 2014	16.67%	66.67%	16.67%	0%

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.**

**35. Student progression**

<i>Student progression</i>	<i>Percentage against enrolled</i>
<i>UG to PG</i>	80-90%
<i>PG to M.Phil, DM / M Ch / DNB</i>	20%
<i>PG to Ph.D.</i>	0%
<i>Ph.D. to Post-Doctoral</i>	Not applicable
<i>Employed</i>	
• <i>Campus selection</i>	Around 10%
• <i>Other than campus recruitment</i>	
<i>Entrepreneurs</i>	Around 90%

**36. Diversity of staff**

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	9.1%
<i>from other universities within the State</i>	63.6%
<i>from universities from other States</i>	27.3%
<i>from universities outside the country</i>	-

**37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period**

Nil

**38. Present details of departmental infrastructural facilities with regard to****a) Library**

Books: 300 Hard copies,

50 e-Books

125 e-Journals

General Medicine 8

12 e-Journal

**b) Internet facilities for staff and students**

15 nodes

**c) Total number of class rooms**

6

**d) Class rooms with ICT facility and 'smart' class rooms**

ICT-enabled classes-06, Smart Class room-04

**e) Students' laboratories**

2-one in each ward

**f) Research laboratories**

Central Research Lab

Diabetes Research Centre

**39. List of doctoral, post-doctoral students and Research Associates****a) from the host institution/university****b) from other institutions/universities**

Nil

**40. Number of post graduate students getting financial assistance from the university.**

6

**41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

Yes.

Methodology:

- Assessment of number of patients needing specialized services or knowledge in the respective departments was done within the hospital.
- Estimation of the probable need in the local population was made
- Information on availability of existing trained personnel was gathered.
- Presence of employment or work opportunities for beneficiaries of new fellowship programs under consideration were ascertained
- Facilities and work needed for training must be available within the institution was confirmed.

**42. Does the department obtain feedback from**

**a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Faculty on curriculum as well as teaching-learning-evaluation:

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Departmental Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner.
- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.

**b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Students on staff, curriculum and teaching-learning-evaluation:

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are

discussed at the Departmental Committee meetings by faculty members.

- The recommendations of the Departmental Committee are then implemented in a phased manner.
- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.

***c. alumni and employers on the programs offered and how does the department utilize the feedback?***

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Departmental Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner within the constraints and limits laid down by the Medical Council of India.
- Effects of the changes implemented are again discussed at the Departmental Committee to assess impact.

***43. List the distinguished alumni of the department (maximum 10)***

- Dr. A. Amate, DM Gastroenterology, CMC Vellore.
- Dr. Abhijit Korane, DNB Nephrology, MGM Mumbai.
- Dr. A. Ganpule, DM Hematology, CMC Vellore.
- Dr. Arjun Adnaik, DM Cardiology, LPS, Kanpur.
- Dr. Pravin Ghule, DM Nephrology, Gujarat University,
- Dr. Abhishek Kathuria, DM Gastroenterology, SAIMS, Indore.
- Dr. Abhijeet Godhamgaonkar, Consultant Neonatologist, University Hospital of South Manchester.

***44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.***

- PG students present cases to the local Chapter of the API body. In the last 4 years 10 such case discussions have been done.
- AMI conclave 2014 a CAD conference, August 2014.
- Dr. Bansode Associate Professor and I/C Head of Department, RCSM-GMC delivered a lecture on 'Pyrexia of Unknown Origin' in November 2014
- CME on "Golden hour care in ICU" April, 2015.
- CME & Workshop on "VAP-Prevention in Indian settings" Aug 2015.

- Update On Management of Diabetes Mellitus in December 2016
- Webinar on Cardiometabolic Disorders in November 2016
- Dr. Abhijeet Kathuria Gastroenterologist delivered a guest lecture in January 2016 on “Inflammatory Bowel Disease”.
- Dr. George Kurien from CMC, Vellore conducted 2 case discussions on 16<sup>th</sup> July 2016, for PG students with clinical teaching on ‘Cirrhosis of Liver’ and Chronic Pancreatitis.
- Dr. Deb Banerjee Phoenix, Arizona, USA delivered a lecture on Hospital Safety on 27<sup>th</sup> October 2016.
- Dr. Nachiket Kulkarni, Consultant Rheumatologist has delivered lecture on Rheumatoid Arthritis and Biologicals, on 2<sup>nd</sup> Dec 2016
- Faculty from other Post Graduate departments have conducted guest lectures for our PG students.
- Dr. K. R. Kulkarni Professor & Head Anaesthesiology,–Newer Guidelines on Cardiopulmonary Resuscitation, on 22<sup>nd</sup> Oct 2016

**45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

**MD**

Theory:

- Didactic lectures
- Journal club
- Group discussions
- Guest lectures
- Seminars
- Evidence based Medicine

Clinical:

- Case presentations
- Ward Rounds
- Demonstrations
- Webinars

**MBBS**

Theory

- Didactic Lectures
- Interactive teaching in small groups
- Tutorials
- Seminars
- Demonstrations

Clinical:

- Case presentation
- Bedside teaching
- AV-teaching
- Visual based teachings
- Clinical Skill lab training, Simulation.
- Role Modelling.
- Experiential learning

**46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

Knowledge:

- Regularly conducted structured teaching program ensures that all updated knowledge required by the students is delivered to them.
- Regular updating of the curriculum ensures continuous quality control.
- Regular CMEs, workshops, Guest lectures etc ensure that students are in touch with the recent advances in the field
- Participation in research projects both as part of mandatory dissertations and faculty projects is used to train students in this field.
- Identification of slow learners and addressing them.

Skills:

- Regular Bedside teaching during daily rounds, grand rounds, case presentations, case discussions is done.
- Clinical Skills Lab is used to train students in necessary skills.
- Procedures are demonstrated and later supervised to give students confidence and independence.

Attitude

- Emphasis on communication skills is done by all faculty during rounds and clinical teaching.
- Role playing for patient related issues such as breaking bad news is done.
- Role modeling by faculty contributes to this area.
- Empathy towards patients and relatives is conveyed to students through words, teaching and example.

Monitoring Learning Outcomes

- Assessments are regularly conducted in a fair and transparent manner.
- Attendance of students is monitored to see its impact on assessment results.
- Formative assessments help to understand the pace of student

learning.

- Discussions during teaching-learning sessions help to assess the students.
- Regular monitoring of thesis, presentations, seminars and journal discussions by students help the faculty to guide students based on their current understanding.
- Log books regularly maintained by the PG students are checked by the Unit in-charge.
- Feedback is taken from students on the quality of program and teaching and the feedback is used to fine-tune the program.

**47. Highlight the participation of students and faculty in extension activities.**

- Camps conducted by hospital in the community. In the last 4 years, the department has participated in over 245 such medical camps.
- Tree Plantation
- Blood Donation
- Celebration of International/National Health days
  - World TB Day on 24 March was celebrated in 2013, 2014 & 2016
  - World Health Day on 7 April was celebrated from 2012-2016
  - World Malaria Day on 25 April was celebrated from 2012-2016
  - World No Tobacco Day on 31 May was celebrated from 2012-2016
  - World Hepatitis Day on 28 July was celebrated in 2014, 2015, 2016
  - World Diabetes Day (IDF) on 14<sup>th</sup> November was celebrated from 2013-2016.
- Swachchha Bharat Abhiyaan

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Dr Abhijeet Koranne, presented a Poster on AV Fistula by Nephrologist – single centre experience of 317 cases at VAS-2017 Slovenia from 5<sup>th</sup> -9<sup>th</sup> April 2017
- Dr Shimpa Sharma presented a paper on ‘Translation of Ethics in Interns and Residents- a Questionnaire based study’ at the 12<sup>th</sup> World Conference of the UNESCO Bioethics Chair at Cyprus from 21<sup>st</sup> to 23<sup>rd</sup> March 2017.

- Dr Shimpa Sharma chaired a session on Ethics Education at the 12<sup>th</sup> World Conference of the UNESCO Bioethics Chair at Cyprus from 21<sup>st</sup> to 23<sup>rd</sup> March 2017.
- Update on Management of Diabetes Mellitus on December 2016
- Webinar on Cardio metabolic Disorders on November 2016
- CME & Workshop on “VAP-Prevention in Indian settings” Aug 2015.
- CME on “Golden hour care in ICU” April, 2015.
- AMI conclave 2014 a CAD conference, Nov 2014
- Dr George Kurien from CMC, Vellore delivered lecture on 16<sup>th</sup> July 2016
- Dr Deb Banerjee Phoenix, Arizona, USA delivered a lecture on 27<sup>th</sup> October 2016
- Campaign On University Research & Training (COURT)
- Regular participation at the local chapter of the Association of Physicians of India by faculty and Students
- Research projects are undertaken by students with faculty, beyond mandatory requirement of MCI.
- Poster presentations in National/State conferences - 20
- Platform presentations made in National/State conferences - 4
- Faculty at conferences/workshops/CMEs: 7

**49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

NAAC has accredited the University with ‘A’ Grade in April 2012.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

This is done through research projects and publications.

1. Identifying new correlations between markers and diabetic complications.
2. Case reports on unusual presentations or complications add to knowledge in the field.
3. Medical Exposure to the population around Jaitapur due to diagnostic applications. A project funded by DAE-BRNS, Govt. of

India, were able to get baseline of exposure to radiation by general population due to medical diagnostic applications.

4. Drug trials conducted by department:

- Efficacy and safety of fixed dose combination of atorvastatin and hydroxychloroquine: a randomized, double-blind comparison with atorvastatin alone among Indian patients with Dyslipidemia, Protocol  
ID: Ipca/ATHQ/PIII-08,  
Study Center: D. Y. Patil Medical College, Kolhapur  
Principal Investigator: Dr. Rajesh Khyalappa
- Study Title: Antibiotic prescribing practices and prevalence of antibiotic resistance in various intensive care units across multiple centers in India.  
Sponsor: Chest Research Foundation (CRF) (a division of Hamied Foundation, a charitable trust registered under the Indian Trust Act, 1882 having address at 15 – Marigold Complex, Kalyaninagar, Pune 411 014  
Investigator: Dr. Rajesh Khyalappa

***51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.***

Strengths:

- Department website has been created to communicate teaching schedules and departmental information, display events and activities of department, highlight achievements of faculty and students.
- Support of Super Specialists (gastroenterologist, neurologist) and super specialty departments like nephrology, cardiology and hematology for student teaching, patient care and research activities.
- Experienced and enthusiastic faculty.
- Outcomes of Structured teaching programs are monitored and responded to.
- Cooperative and Cordial relations of faculty facilitate

implementation of any changes.

Weaknesses:

- Few research projects garnering funds from Central Funding agencies.
- More ICU beds are needed to cater to the demand from the community.
- Lack of faculty and student exchange with prominent national and international institutions.
- Consultancies in the community that are income generating have not been undertaken.

Opportunity:

- To increase PG intake.
- Regional Centre of excellence in Diabetes Mellitus – patient care and research.
- Fellowships Courses
- DNB/DM courses in super specialty departments to be started.
- Increase Research collaboration with Alternative Medicine researchers for use of indigenous herbal preparations for treatment or prevention of diabetes mellitus.

Challenges:

- Creation of new Super Specialty departments and courses.
- Industry collaborations for research activities and extension activities to be increased.
- Quality of research papers to be increased through emphasis on high impact factor publications.
- Increase income-generating Consultancies through the department.
- Improve patient care facilities for Senior Citizens and differently-abled persons.

## ***52. Future plans of the department.***

Short Term (Within 5 Years)

- Establish Transplant center
- Strengthen quality and protocols in Nephrology and Hematology dept.

- Create a Diabetes care center of National eminence.
- Create a modular syllabus for undergraduate teaching.
- Upgrade Intensive Care Unit (Infrastructure, Manpower & Facilities).
- To increase number of Fellowship programs.

Long Term Plans (10 years):

- Increase intake of Postgraduates.
- Establishment of other Superspecialty departments like Neurology, Cardiology, Gastroenterology etc.
- Establish a Superspecialty Care Center for improved patient care.
- Create a virtual interactive platform to facilitate teaching-learning for postgraduate and undergraduate students.



## **Evaluative Report of the Department**

# **Paediatrics**

## Evaluative Report of the Department

**1. Name of the Department**

Paediatrics

**2. Year of establishment**

1990

**3. Is the Department part of a college/Faculty of the university?**

Yes, part of the college.

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

<i>Course Level</i>	<i>Course Name</i>
UG	MBBS
PG-Degree	MD
PG-Diploma	DCH (Diploma in Child Health)
Research	Ph.D.

**5. Interdisciplinary programs and departments involved**

Nil

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

**7. Details of programs discontinued, if any, with reasons**

Nil

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

UG

Formative-Internal assesment at 6th,8th,9th term both theory Practical.

Summative-Final examination at the end of 9th term both Theory & Practical.

PG

Formative: Internal assessments are taken at end of every year.

Summative: Final University examination is taken at end of 36 months.

**9. Participation of the department in the courses offered by other departments**

Participation of faculty from Department of Pediatrics is present in the training program of departments of

1. Dermatology, Venerology & Lapracy
2. Psychiatry
3. Radiology
4. Community Medicine

**10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	3	3
<i>Associate Professor/Reader</i>	3	1	1
<i>Assistant Professor</i>	5	7	7
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>			
<i>Senior Resident</i>	3	4	4

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>
Dr. Anil Kurane	MBBS, MD	Professor & HOD	Pediatrics	26 yrs
Dr. Mohan Patil	MBBS, MD	Professor	Pediatrics	20 Yrs
Dr. Nivedita Patil	MBBS, MD	Professor	Pediatrics	16 Yrs
Dr. R. Nigade	MBBS, MD	Asso. Prof	Pediatrics	21 yrs
Dr. Mandar Patil	MBBS, DCH DNB	Asst.Prof	Pediatrics	7 yrs
Dr. Suhas kulkarni	MBBS, MD	Asst.Prof	Pediatrics	8 yrs
Dr. Ashok chougale	MBBS, MD	Asst.Prof	Pediatrics	9 yrs
Dr. Hemant Bharti	MBBS, MD	Asst.Prof	Pediatrics	9 yrs
Dr. Devyani Kulkarni	MBBS, MD	Asst.Prof	Pediatrics	4 yrs
Dr. S. Kavathekar	MBBS, MD	Asst.Prof	Pediatrics	10 yrs
Dr. Rahul Patil	MBBS, DCH, DNB	Asst.Prof	Pediatrics	7 yrs

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

Nil

**13. Percentage of classes taken by temporary faculty – program-wise information**

All the faculty members are permanent. There is no temporary faculty.

**14. Program-wise Student Teacher Ratio**

<i>Programme</i>	<i>Student-Teacher Ratio</i>
UG	13:1
PG Degree	1:1
PG Diploma	1:1
Ph.D.	1:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual</i>
<i>Academic Staff (technical)</i>	4	4	4
<i>Administrative Staff</i>	3	3	3

**16. Research thrust areas as recognized by major funding agencies**

1. Neonatology –

Funded by D.Y. Patil University, Kolhapur.

PI: Dr. Mrs. N.B. Patil      PC: Dr. B. C. Patil

2. Childhood Asthma-

Funded by D. Y. Patil University, Kolhapur.

PI: Dr. Suhas Kulkarni      PC: Dr. A.B. Kurane

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Nil

**18. Inter-institutional collaborative projects and associated grants received  
d) National collaboration b) International collaboration**

Nil

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

02 projects. Total grand received Rs. 300000/-

<b>Sr.No.</b>	<b>Projects</b>	<b>Rs.</b>	<b>Funding Agency</b>	<b>Year</b>
1	Study of genetic association in neonate with congenital hearing loss.	2,20000/-	D Y Patil University	2011-17
2	Spirometry values in school going children aged 5 to 14 years in Kolhapur city.	80,000/-	D Y Patil University	2016-18

**20. Research facility / centre with**

- *state recognition*
- *national recognition*
- *international recognition*

Central Research Laboratory of University is recognized by BARC, ICMR, DST, DBT.

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications:**

\* **Number of papers published in peer reviewed journals (national / international):**

30

\* **Monographs:**

Nil

\* **Chapters in Books:**

Nil

\* **Books edited:**

Nil

\* **Books with ISBN with details of publishers:**

Nil

\* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):**

0.715 – 6.391

\* **Citation Index – range / average: -**

\* **SNIP:-**

\* **SJR:-**

\* **Impact Factor – range / average: -**

\* **h-index: -**

**23. Details of patents and income generated**

Nil

**24. Areas of consultancy and income generated**

- Free consultancy to Orphanage Bal Kalyan Sankul & Hemophilia, Kolhapur chapter in Kolhapur.
- Free consultancy to Genetic health clinic through Rotary club of Kolhapur Mid-town.

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Dr. Suhas Kulkarni-selected internationally as Neonatal vocational training team leader to Valley children hospital California, USA, through Rotary International.

**26. Faculty serving in****a) National committees b) International committees c) Editorial Boards****d) any other (specify)**

National Committee

- Dr. Ashok Chougule  
National Executive Board member of ZAP 2014  
Maharashtra State President of ZAP 2011-12

Editorial Board

- Dr. Nivedita Patil  
Member of Editorial board – MJDYPU

Others

- President KAP-2017-18 Dr. Mrs. Nivedita Patil
- Dr. Anil B. Kurane  
Member – Board of Study, KLE University, Belgaum.
- Dr. Mohan Patil  
Kolhapur Academy of Pediatrics – President-2011-12  
Dr. Suhas Kulkarni  
Reviewer Panel member e-Journal Pediatric on call for peer review article.

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

Name	CME	WORKSHOP	CONFERENCE	TOTAL
Dr.A.B.Kurane	6	5	4	15
Dr.Mohan Patil	14	9	4	27
Dr.Nivedita Patil	15	6	4	25
Dr.R.M.Nigade	5	3	5	13
Dr.Devyani Kulkarni	6	14	9	29
Dr.Sai Prasad Kavathekar	6	3	8	17
Dr.Suhas Kulkarni	14	12	8	34
Dr.Hemant Bharati	8	5	7	20
Dr.Ashok Chougule	8	3	10	21
Dr.Mandar Patil	5	4	4	13
11.Dr.Rahul Patil	15	3	7	25

**28. Student projects**

- *percentage of students who have taken up in-house projects including inter-departmental projects*
- *percentage of students doing projects in collaboration with other universities / industry / institute*

100% PG students are doing in-house projects

**29. Awards / recognitions received at the national and international level by**• **Faculty**

Nil

• **Doctoral / post doctoral fellows**

Nil

• **Students**

1<sup>st</sup> Prize in platform presentation at State level conference by  
Dr. Nikita Magdum, PG Guide –Dr. Kurane 2015

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Nature of program	Theme	Period	Funding	Outstanding participants
PALS	Pediatrics advanced life support	July 2015	IAP	Dr Mrs.N.B.Patil, Dr Mandar Patil
BLS	Save a life	2015	IAP	Dr Mohan Patil, Dr Mrs.N.B.Patil, Dr Mandar Patil
Workshop	Rational antibiotic practice.	2014	IAP	Dr Mohan Patil

**31. Code of ethics for research followed by the departments**

- All research is approved by the Institutional Ethics Committee (IEC) before commencement.
- All research is conducted as per the GCP-ICH guidelines and the IEC recommendations.

**32. Student profile program-wise:**

Name of the Program (refer to question no. 4)	Total number	Selected		Pass percentage	
		Male	Female	Male	Female
III/II MBBS	142	96	46	Passed III/I MBBS	Passed III/I MBBS

**33. Diversity of students**

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MD Pediatrics 2016	25%	25%	50%	0%
MD Pediatrics 2015	0%	50%	50%	0%
MD Pediatrics 2014	0%	0%	100%	0%
DCH-2016	0%	0%	50%	50%
DCH-2015	0%	0%	100%	0%
DCH-2014	0%	0%	50%	50%

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

Nil

35. Student progression

<i>Student progression</i>	<i>Percentage against enrolled</i>
<i>UG to PG</i>	70%
<i>PG to M.Phil, DM / M Ch / DNB</i>	20%
<i>PG to Ph.D.</i>	Not applicable
<i>Ph.D. to Post-Doctoral</i>	Not applicable
<i>Employed</i>	
• <i>Campus selection</i>	Nil
• <i>Other than campus recruitment</i>	Around 10%
<i>Entrepreneurs</i>	Around 90%

36. Diversity of staff

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	Nil
<i>from other universities within the State</i>	81.81
<i>from universities from other States</i>	18.19
<i>from universities outside the country</i>	Nil

37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) *Library*

Number of Books-200

e-books-25

b) *Internet facilities for staff and students*

2 nodes

c) *Total number of class rooms*

6

d) *Class rooms with ICT facility and 'smart' class rooms*

4 ICT facility

e) *Students' laboratories*

One in ward

f) *Research laboratories*

Central Research Lab Skill & SIM Lab – 01

Diabetic Centre Lab-1

**39. List of doctoral, post-doctoral students and Research Associates**

**a) from the host institution/university**

One, Dr.Suhas Kulkarni

**e) from other institutions/universities**

Nil

**40. Number of post graduate students getting financial assistance from the university.**

4

**41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

Yes

Fellowship In Neonatology

Methodology:

- Assessment of number of patients needing specialized services was done within the hospitals in Kolhapur city.
- Estimation of the probable need in the local population was made
- Information on availability of existing trained personnel was gathered
- Presence of employment or work opportunities for beneficiaries of new fellowship programs under consideration were ascertained
- Facilities and work needed for training must be available within the institution was confirmed.
- Fellowship in Pediatric Intensive Care Methodology

**42. Does the department obtain feedback from**

**a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Departmental Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner.
- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.

***b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?***

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Departmental Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner.
- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.

***c. alumni and employers on the programs offered and how does the department utilize the feedback?***

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Departmental Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner within the constraints and limits laid down by the Medical Council of India.
- Effects of the changes implemented are again discussed at the Departmental Committee to assess the impact.

***43. List the distinguished alumni of the department (maximum 10)***

Sr.No	Name	Place Of Work
1	Dr. Arjun Adnaik	Kolhapur- Cardiologist
2	Dr. Abhijit Ganpule	Kolhapur – Hematologist.
3	Dr. Jignesh Gandhi	Mumbai – Eminent Professor.
4	Dr. Ansari	South Africa
5	Dr. Ankur	Bangalore
6	Dr. Padmakumar Patil	Bangalore
7	Dr. Shantilal Parmar	Hyderabad
8	Dr. Rashi Aryan	Delhi
9	Dr. Nikita Magdum	Jaisinghpur
10	Dr. Shankar Rai	Amritsar

**44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.**

The following activities are conducted for students enrichment programs round the year. All the PG students are involved in its organization and do participate in them. Data of prominent ones are as under.

- Maharashtra IAP south Maharashtra CME 28<sup>th</sup>&29<sup>th</sup> June ,2014
- ORS day Special lecture 29<sup>th</sup> July,2014
- Breast feeding week Special lecture 1<sup>st</sup> to 7 th August,2014
- CME on Pediatrics nephrology updates,13<sup>th</sup>& 14<sup>th</sup> september,2014
- IAP Nutritional workshop,7<sup>th</sup> December,2014
- Workshop on Rationale Antibiotic Practice,15<sup>th</sup> February ,2015
- PALS workshop,July,2015
- Monsoon malidies,May,2016
- Perinatology meet,31<sup>st</sup> July,2016
- STEER broadcast ,15<sup>th</sup> January ,2017
- Guest Lecture at least one per month.
- Moral Guidance Scheme.
- Felicitation of toppers in the subject.
- AMAR-2016

**45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

Sr. No	For UG	For PG
1	Classroom Teaching With Audio Visual Aids	Classroom Teaching With Audio Visual Aids
2	Bed Side Clinic	Bed Side Clinics
3	Tutorials	Hands On Workshop & Training
4	Group Discussion	Case Presentation
5	Case Presentation	Cme
6	Integrated Teaching	Case Based Learning
7	Case Based Learning	Journal Club& Seminar
8	Seminars	Grand Rounds
9	Quiz	Microteaching
10		OSCE

**46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

Regular evaluation exercises are performed and assessed. At the end of programme students are assessed to have met outcomes with annual examination.

Meeting Program Objectives:

Knowledge:

- Regularly conducted structured teaching program ensures that all updated knowledge required by the students is delivered to them.

- Regular updating of the curriculum ensures continuous quality control.
- Regular CMEs, workshops and Guest lectures ensure that students are in touch with the recent advances in the field.
- Participation in research projects both as a part of mandatory dissertations and faculty projects is used to train students in this field.
- Identification of slow learners and addressing slow learners.

**Skills:**

- Regular Bedside teaching during daily rounds, grand rounds, case presentations, case discussions is done.
- Clinical Skills Lab is used to train students in necessary skills.
- Procedures are demonstrated and later supervised to give students confidence and independence.

**Attitude:**

- Emphasis on communication skills is done by all faculty during rounds and clinical teaching.
- Role playing for patient related issues such as breaking bad news is done.
- Role modeling by faculty contributes to this area.
- Empathy towards patients and relatives is conveyed to students through words, teaching and example.

**Monitoring Learning Outcomes**

- Assessments are regularly conducted in a fair and transparent manner
- Attendance of students is monitored to see its impact on assessment results
- Formative assessments help to understand the pace of student learning
- Discussions during teaching-learning sessions help to assess the students
- Regular monitoring of theses, presentations, seminars and journal discussions by students help the faculty to guide students based on their current understanding.
- OSCE
- Log-book.
- Feedback.

**47. Highlight the participation of students and faculty in extension activities.**

Participation staff and students in rural/Urban school camps conducted by Pediatrics department.

Sr.no.	No. of Camps /Workshop/Trainings/Rallies/ Lectures/Celebrations	No. of Students
1	Rural Health Camps	10 to 12
2	School Health Camp	20 to 30
3	Workshop On Rational Antibiotics Practice	18
4	Course On Pediatrics Advanced Life Support	16
5	Save A Life Awareness Programme Basic Life Support	18
6	Celebration Of Various Days: Ors Day Immunization Day WHO Day Breast Feeding Week World Health Day	100 to 200

- World Breast feeding week is celebrated every year from 1st to 7th August. Various activities like Awareness programmes, poster display, quiz competition, counseling session for mothers, workshop and Healthy baby competition are organized. These programmes involve health workers, social workers, anganwadi workers and mothers support group to spread the message to promote, protect and support breast feeding.
- School health camps are organized in various schools, urban as well as rural, for routine medical checkup and monitoring their growth. They are given free treatment if some medical problem is detected.
- In above programs students take active participation

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Participation in CME, Workshop Seminar, Symposium & Conference (local & outside)
- Paper and Poster Presentation
- Research Publication
- IAP Pediatrics Quiz for Post Graduate & Undergraduate
- NNF Neonatology Quiz for Nursing students
- NNF Neonatology Quiz for Post Graduate
- Guest Lectures on social and spiritual topics
- COURT activity

**49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

NAAC has accredited the University with 'A' Grade in April 2012.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Research Papers
- Antibiotic Resistance,
- Rational Antibiotic use,
- ROP screening

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strength

- Teaching Faculty (Pals, Bls Trainer)
- Outreach Activities
- Special Campaign Community Services
- Simulation Based Learning

Weaknesses

- Few Facilities For Antenatal Diagnosis of IEM
- Few Services of Expert In Developmental Pediatrics
- Inadequate & Irregular follow up of beneficiaries with chronic disorders.
- Publications With High Impact Factor
- Collaborations with other Universities

Opportunity

- Adequate use of clinical skill lab to improve knowledge & skills of UG & PG students.
- To train ANM for early diagnosis & management of sam
- To train Asha workers for early referral & high risk from rural areas
- To increase PG seats
- Fellowships courses

Challenges

- To bring down NMR in single digit
- To bring down IMR in single digit.
- Improve patient care facilities for high risk newborns.
- Quality of research papers to be increased through emphasis on quality of research and research writing.
- Industry collaborations for research activities and extension activities to be increased

**52. Future plans of the department.**

Short term (within 5 years):

- To enhance critical care facility
- Up gradation of NICU & PICU.
- Create a modular syllabus for undergraduate teaching.
- Tip up with IAP, National & international agencies for academic upliftment.

Long term plans (10 years):

- To start super specialty courses.
- Development of Paediatric Pulmonary testing laboratory.
- Create a virtual interactive platform to facilitate teaching-learning for postgraduate and undergraduate students.



## **Evaluative Report of the Department**

**Dermatology,  
Venereology &  
Leprosy**

## Evaluative Report of the Department

**1. Name of the Department**

Dermatology, Venereology & Leprosy

**2. Year of establishment**

1990

**3. Is the Department part of a college/Faculty of the university?**

Yes. Part of the Medical College

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

M.B.B.S, M.D. Dermatology, Venereology & Leprosy

**5. Interdisciplinary programs and departments involved**

Nil

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

**7. Details of programs discontinued, if any, with reasons**

Nil

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

UG

Formative-Internal assessment (term ending) clinical examinations are taken at end of 4<sup>th</sup>, 6<sup>th</sup>, 8<sup>th</sup> terms. Preliminary and annual exam as a part of General Medicine

PG

Formative-Internal assessment exam is taken at end of every year

Summative-Final University examination is taken at end of the course.

**9. Participation of the department in the courses offered by other departments**

Participation of faculty from Department of Dermatology is present in training program as part of clinical postings for UG students of the Department of General Medicine.

**10. Number of teaching posts sanctioned, filled and actual  
(Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	1	1
<i>Associate Professor/Reader</i>	1	1	1
<i>Assistant Professor</i>	1	1	1
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>			
<i>Senior Resident</i>	1	1	1

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>
Dr. R.V. Ranade	M.D, D.D.V	Professor & Head of Department	Dermatology, Venereology & Leprosy	25 yrs
Dr. S.B. Dhumale	M.D, D.V.D	Associate Professor	Dermatology, Venereology & Leprosy	13yrs
Dr. Y.J. Phulari	M.D	Assistant Professor	Dermatology, Venereology & Leprosy	10yrs

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

Nil

**13. Percentage of classes taken by temporary faculty – program-wise information**

No temporary faculty.

**14. Program-wise Student Teacher Ratio**

<i>Programme</i>	<i>Student-Teacher Ratio</i>
M.B.B.S	30:1
M.D.	1:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual</i>
<i>Academic Staff (technical)</i>	4	4	4
<i>Administrative Staff</i>	2	2	2

**16. Research thrust areas as recognized by major funding agencies**

“Efficacy of ND YAG Q-switched LASER in tattoo removal” funded by D.Y. Patil University, Kolhapur

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Nil

**18. Inter-institutional collaborative projects and associated grants received  
f) National collaboration b) International collaboration**

Nil

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

Nil

**20. Research facility / centre with**

- **state recognition**
- **national recognition**
- **international recognition**

Central research laboratory of University is recognized by BARC, ICMR. DST , DBT.

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications:**

\* **Number of papers published in peer reviewed journals (national / international):**

13

\* **Monographs:**

Nil

\* **Chapters in Books:**

Nil

\* **Books edited:**

Nil

\* **Books with ISBN with details of publishers:**

Nil

\* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):**

Nil

\* **Citation Index – range / average:**

2

\* **SNIP:**

\* **SJR:**

\* **Impact Factor – range / average:**

1.36-4.15

\* **h-index:**

Nil

**23. Details of patents and income generated**

Nil

**24. Areas of consultancy and income generated**

Nil

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Nil

**26. Faculty serving in**

**a) National committees b) International committees c) Editorial Boards**

**d) any other (specify)**

Prof. Dr. R. V. Ranade Prof. & Head	➤ Subject Expert at KIMS Karad, for interview of Assistant Professor, 2017 ➤ Member, Editorial Board, MJDYPU
Dr. Y. J. Phulari, Assistant Professor	➤ Served as Secretary of Kolhapur Dermatologists' Association in 2016.

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

CME-4 annual CMEs organized by the Kolhapur Dermatology Association in the fourth quarter of the last four year

Workshops -3 (number of participants in all 3 were around 100)

Sr.No.	Date	Topic	Facilitator/s
1.	24 <sup>th</sup> November 2013	Vitiligo Surgery	1. Dr. Swapnil Shah, Solapur 2. Dr. Sharad Mutalik, Pune
2.	31 <sup>st</sup> May 2015	Hair transplant	Dr. Shankar Sawant, Mumbai
3.	17 <sup>th</sup> July 2016	Acne Surgery	Dr. Pradeep Kumari, Pune

➤ Dr. S. B. Dhumale, Associate Professor, Faculty completed MET Basic course -1 (24<sup>th</sup>-26<sup>th</sup> February 2015)

➤ Dr. R. V. Ranade, Professor & Head, Faculty completed MET revised Basic course -1 (18<sup>th</sup> -20<sup>th</sup> January 2016, ATCOM Module21st

January 2016)

- Dr. Y. J. Phulari, Assistant Professor has undergone in-house training by MEU

The above courses were conducted by the regional centre of Maharashtra University of Health Science, Pune

### 28. *Student projects*

- *percentage of students who have taken up in-house projects including inter-departmental projects:*

PG Students Projects: 100%

- *percentage of students doing projects in collaboration with other universities / industry / institute :*

Nil

### 29. *Awards / recognitions received at the national and international level by*

- *Faculty*
- *Doctoral / post doctoral fellows*
- *Students*

Nil

### 30. *Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.*

Sr. No.	Date	Topic	Outstanding participants
1.	24 <sup>th</sup> November 2013	Vitiligo Surgery	1. Dr. Swapnil Shah, Solapur 2. Dr. Sharad Mutalik, Pune
2.	31 <sup>st</sup> May 2015	Hair transplant	Dr. Shankar Sawant, Mumbai
3.	17 <sup>th</sup> July 2016	Acne Surgery	Dr. Pradeep Kumari, Pune

All above three workshops are partly funded by the University and sponsoring agencies.

### 31. *Code of ethics for research followed by the departments*

- All research is approved by the Institutional Research Committee (IRC) before commencement
- All research is conducted as per the GCP-ICH guidelines and the IEC recommendations

**32. Student profile program-wise:**

<i>Name of the Program (refer to question no. 4)</i>	<i>Total number</i>	<i>Selected</i>		<i>Pass percentage</i>	
		<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>
III/II MBBS	142	96	46	Passed III/I MBBS	Passed III/I MBBS

**33. Diversity of students**

<i>Name of the Program (refer to question no. 4)</i>	<i>% of students from the same university</i>	<i>% of students from other universities within the State</i>	<i>% of students from universities outside the State</i>	<i>% of students from other countries</i>
MD Dermatology 2016	0%	100%	0%	0%
MD Dermatology 2015	0%	100%	0%	0%
MD Dermatology 2014	0%	0%	100%	0%

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.**

Nil

**35. Student progression**

<i>Student progression</i>	<i>Percentage against enrolled</i>
<i>UG to PG</i>	80-90%
<i>PG to M.Phil, DM / M Ch / DNB</i>	Not applicable
<i>PG to Ph.D.</i>	Not applicable
<i>Ph.D. to Post-Doctoral</i>	Not applicable
<i>Employed</i>	
• <i>Campus selection</i>	Nil
• <i>Other than campus recruitment</i>	10%
<i>Entrepreneurs</i>	90%

**36. Diversity of staff**

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	Nil
<i>from other universities within the State</i>	67% (2/3)
<i>from universities from other States</i>	33% (1/3)
<i>from universities outside the country</i>	Nil

**37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period**

Nil

**38. Present details of departmental infrastructural facilities with regard to**

**a) Library**

A separate library with 133 books including new editions of standard textbooks and international journals-2, national journals-4, Area-30 square metres, capacity-10 students

**b) Internet facilities for staff and students**

2 nodes with journal access through ProQuest and other search engines

**b) Total number of class rooms:**

6

**c) Class rooms with ICT facility and 'smart' class rooms:**

4

**d) Students' laboratories :**

1 (in ward)

**e) Research laboratories :**

1 (Central Research Laboratory)

**39. List of doctoral, post-doctoral students and Research Associates**

**a) from the host institution/university:**

Nil

**b) from other institutions/universities :**

Nil

**40. Number of post graduate students getting financial assistance from the university.**

Nil

**41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

Not applicable

**42. Does the department obtain feedback from**

**a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

**b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

**c. alumni and employers on the programs offered and how does the department utilize the feedback?**

- The feedback from all faculty, students, alumni & employers is

obtained through verbal communication, structured feedback forms & online modality.

- The feedback is analysed in the Departmental committee & appropriate remedial measures are taken.
- Continuous Feed-back on curriculum is obtained from students, faculty & alumni.
- The recommendations of the departmental committee are then implemented in a phased manner.
- Quality enhancement of curriculum is done through-Revision of curriculum
- Curriculum revision done on 10.2.2014

**43. List the distinguished alumni of the department (maximum 10)**

- Dr. Sophia Jaglan- Advanced course in aesthetic Dermatology ( and practicing the same in New Delhi)

**44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.**

workshops

- Vitiligo surgery conducted on 24<sup>th</sup> November 2013, number of participants was about 100.
- Hair transplant conducted on 31<sup>st</sup> May 2015, number of participants was about 100.
- Acne surgery conducted on 17<sup>th</sup> July 2016, number of participants was about 100.
- Special lectures involving the workshop facilitators on the above topics conducted before the workshops.

**45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

For PG

- Lectures
- Tutorials
- Case presentations
- Seminars
- Journal Club
- Small group discussion

- Students led Demonstrations
- Ward rounds
- First person experiences
- Teaching UG
- Experiential Learning

For UG

- Lectures
- Seminars
- Demonstrations
- Bed side clinics
- Visual studies
- Reverse Teaching with AV aids

***46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?***

Knowledge-

- Regularly conducted structured teaching program ensures that all updated knowledge required by the students is delivered to them
- Regular updating of the curriculum ensures continuous quality control
- Regular CMEs, workshops, Guest lectures ensure that students are in touch with the recent advances in the field
- Participation in research projects both as part of mandatory dissertations and faculty projects is used to train students in this field
- Identification of slow learners and addressing their needs

Skills

- Regular bedside teaching during daily rounds , grand rounds, case presentations , case discussions is done
- Clinical Skills Lab is used to train students in necessary skills
- Procedures are demonstrated and later supervised to give students confidence and independence Attitude
- Emphasis on communication skills is done by all faculty during rounds and clinical teaching
- Role playing for patient related issues such as breaking bad news is done

- Role modeling by faculty contributes to this area
- Empathy towards patients and relatives is conveyed to students through words, teaching and example

Monitoring Learning outcomes

- Assessments are regularly conducted in a fair and transparent manner
- Attendance of students is monitored to see it's impact on assessment results
- Formative assessments help to understand the pace of student learning
- Discussions during teaching –learning sessions help to assess the students
- Regular monitoring of thesis, presentations , seminars and journal discussions by students helps the faculty to guide students based on their current understanding.

**47. Highlight the participation of students and faculty in extension activities.**

- Attendance of faculty, students & interns at community health camps: 245 such camps conducted during the last 4 years
- Celebration of International/National Health days
- Swachchh Bharat Abhiyan
- Health education by PG student to relatives of patients on Leprosy & HIV

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Participation with presentations in local meetings of dermatology association, journal club meetings & case presentations
- A paper read by Dr. R. V. Ranade, Prof. & Head at CME conducted by Belgavi Institute of Medical Sciences, Belgavi on 27<sup>th</sup> September 2016
- Posters exhibited at CME conducted by Belgavi Institute of Medical Sciences, Belgavi on 27<sup>th</sup> September 2016 by Dr.Vidisha Kaushik (JR. III) and Dr.Saba Mhate (JR. II)

- Poster & platform presentation in COURT by Dr. Vidisha Kaushik (JR. III), Dr.Saba Mhate (JR. II year) and Dr.Shweta Bhanushali (JR.I)
- Attendance at multiple conferences national and international and CMEs

**49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

Nil

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Ongoing thesis on Fungal infection to provide data to local dermatologists to help them with better treatment of the same

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strength

- Student teacher ratio is ideal & faculty retention rate is high
- Students are exposed to wide variety of clinical material to help learn better & modern ICT facilities have been adopted for teaching
- Availability of recent advances in cosmetology & DERMATOSURGERY (LASERs , microneedling etc)
- Experienced & enthusiastic faculty, Co-operative & cordial relations of faculty facilitate implementation of any changes.
- Seven Speciality OPDs on different days.

Weaknesses

- Strengthening of laboratory infrastructure like molecular lab.
- Library facilities & their utilization by the students need to be augmented.
- Inadequate publications in international journals having higher impact factor.
- New research projects with funding from different agencies.

Opportunities

- Strengthen research activities to improve output in research publications in reputed journals

- To increase PG intake to 2/year
- To increase the number of cosmetic procedures done in our department
- To encourage the post graduates & faculty to take up research projects in thrust areas
- To establish a counseling centre for patient suffering from HIV, STI & Leprosy

#### Challenges

- Introduction of fellowship courses in emerging fields like aesthetic dermatology & dermatosurgery
- To procure modern equipment for cosmetic & dermatosurgical procedures like LASER machines
- Improve patient care facilities for the Senior Citizens & differently abled persons
- To implement newer, innovative, technologies like Nano medicine & stem cells in therapy of cutaneous disorders

#### ***52. Future plans of the department.***

##### Short term (5 years)

- To establish a fully functional & effective counseling centre for patients suffering from HIV, STI & Leprosy

##### Long term (more than 5 years)

- To establish the department as a dermato-pathology reference centre
- Provide facilities to patients in cosmetic dermatology & dermatosurgery (like hair restoration & hair reduction) which are not available in the vicinity at affordable cost
- To enhance critical care facility.-
- Up gradation of NICU & PICU.
- To start super specialty courses.
- Fellowship in Neonatology
- Certificate course in Paed.Intensive care function.
- Development of Paed. Pulmonary testing laboratory.
- To update teaching skills of faculty for better performance.
- To strengthen superspeciality services.
- Tip up with IAP, National & international agencies for academic upliftment



## **Evaluative Report of the Department**

# **Pulmonary Medicine**

### Evaluative Report of the Department

**1. Name of the Department**

Tuberculosis & Respiratory diseases. (Pulmonary medicine)

**2. Year of establishment**

1990

**3. Is the Department part of a college/Faculty of the university?**

Yes. Part of the college.

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

M.B.B.S.

**5. Interdisciplinary programs and departments involved**

PG clinic with General medicine department

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

**7. Details of programs discontinued, if any, with reasons**

Nil

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

No separate university examination. Subject is incorporated with General medicine. However we assess student at the term end.

**9. Participation of the department in the courses offered by other departments**

Participation of the department of pulmonary medicine is present in the training program of the department of Medicine.

**10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	1	1
<i>Associate Professor/Reader</i>	0	0	0
<i>Assistant Professor</i>	1	1	1
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>	-	-	-
<i>Senior Resident</i>	1	1	1

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>
Dr. Mohan Pandurang Potdar	M.D. (T.B. & Chest ) DCD	Professor & HOD	Resp. medicine and tuberculosis	24 yrs. 10 mth
Dr. B.G.Shelke	M.D.(T.B. & Chest )	Asst. Professor	Resp. medicine and tuberculosis	11 Yrs. 7m.

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

<i>Sr. No.</i>	<i>Name</i>	<i>Whether Visiting Fellows, adjunct faculty, emeritus professors</i>

Nil

**13. Percentage of classes taken by temporary faculty – program-wise information**

0 %. No temporary faculty for UG program

**14. Program-wise Student Teacher Ratio**

<b>Programme</b>	<b>Student-Teacher Ratio</b>
M.B.B.S	30: 1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual</i>
<i>Academic Staff (technical)</i>	3	3	3
<i>Administrative Staff</i>	3	3	3

**16. Research thrust areas as recognized by major funding agencies**

A project on “Development of electrochemical nanobiosensors for Detection of mycobacterium Tuberculosis with spion mediated MTB, DNA Extraction from sputum.” A project prepared and submitted to, Department of Biotechnology ministry of science and technology, Govt. of India, NEW DELHI.

The total cost of the project is Rs, 47.11 Lakh.

17. *Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.*

Nil

18. *Inter-institutional collaborative projects and associated grants received g) National collaboration b) International collaboration*

Nil

19. *Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.*

Nil

20. *Research facility / centre with*

- *state recognition*
- *national recognition*
- *international recognition*

Central research laboratory of University is recognized by BARC, ICMR, DST, DBT.

21. *Special research laboratories sponsored by / created by industry or corporate bodies*

Nil

22. *Publications:*

\* *Number of papers published in peer reviewed journals (national / international):*

Nil

\* *Monographs:*

Nil

\* *Chapters in Books:*

Nil

\* *Books edited:*

Nil

\* *Books with ISBN with details of publishers:*

Nil

\* *Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):*

Nil

\* **Citation Index – range / average:**

Nil

\* **SNIP:**

Nil

\* **SJR:**

\* **Impact Factor – range / average:**

\* **h-index:**

**23. Details of patents and income generated**

Nil

**24. Areas of consultancy and income generated**

Nil

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Dr. Mohan Pandurang Potdar – Invited as Faculty for

- Guest lecture on Pulmonary function test for physicians conducted by state conference at MIRAJ organized by MAPICON 2013
- Guest lecture on Arterial blood Gas Analysis for Intensivists conducted by Goa Chapter of SCCM.
- Workshops on ABG conducted yearly by SCCM Kolhapur branch mainly for Intensivists.
- Guest lecture on BRONCOLOGY conducted by IMA Kankavali 2015
- Conducted continues training program and CMES to general practitioners on various respiratory diseases periodically.
- Delivers speeches on local languages and importance of exercise, diet and Yoga on health to different NGOS and group of peoples.
- Special training module is prepared to teach Arterial Blood Gas Analysis to UG & PG students.
- Guest lecture on common pitfalls in the management of MDR-TB at conference conducted by RNTCP and PSM department of D.Y. Patil Medical College, Kolhapur 2013

**26. Faculty serving in**

- a) National committees b) International committees c) Editorial Boards  
d) any other (specify)**

2

Dr. Mohan Potdar

Founder member and Ex-chairman of society of Critical care Medicine Kolhapur chapter.

- Member of Indian college of Allergy and immunology, Delhi.
- Life member of Indian Chest Society (ICS)
- Life member of Associations of Physicians of India.
- Life Member of Indian Association on Bronchology (IOB)
- Member of European Respiratory society (ERS).
- Member of American Thoracic society (ATS).

Dr. Shelake B.G. –

- Life Member of Association of Physicians of India

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

Dr. Mohan Potdar

- Completed certificate course in Allergy and Immunology at Vallabhbhai Patel Chest institute, Delhi University DELHI.
- Completed training program in Bronchology under guidance of Dr. Amir Khoja, an eminent interventional pulmonologist of Ruby hall clinic Pune.
- Completed yearly training program on critical care medicine, Ventilators and Arterial Blood Gas Analysis conducted by ISCCM branch Pune for six years.
- Attended and International conference on respiratory diseases in 2013 conducted by European respiratory society (ERS). Barcelona.
- Attended and International conference on respiratory diseases in 2014, organized by American Thoracic society at SAN-DIEGO.
- Extensive training program and workshop conducted by Chest research foundation Pune on COPD, PFT, ASTHMA by eminent scientist Dr. Sundeep Salavi.

- Attended as delegate a Conference NAPCON organized by Indian Chest society in 2016.
- Attended as delegate a Conference Best of Brussels in 2016 on critical care Medicine.

**28. Student projects**

- *percentage of students who have taken up in-house projects including inter-departmental projects*
- *percentage of students doing projects in collaboration with other universities / industry / institute*

**29. Awards / recognitions received at the national and international level by**

- *Faculty*
- *Doctoral / post doctoral fellows*
- *Students*

Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Nil

**31. Code of ethics for research followed by the departments**

- All research is approved by Institutional ethics committee (IEC)
- All research is conducted as per GCP –ICH guidelines and the IEC recommendation

**32. Student profile program-wise:**

<i>Name of the Program (refer to question no. 4)</i>	<i>Total number</i>	<i>Selected</i>		<i>Pass percentage</i>	
		<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>
III/II MBBS	142	96	46	Passed III/I MBBS	Passed III/I MBBS

**33. Diversity of students**

<i>Name of the Program (refer to question no. 4)</i>	<i>% of students from the same university</i>	<i>% of students from other universities within the State</i>	<i>% of students from universities outside the State</i>	<i>% of students from other countries</i>

Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

Nil

35. Student progression

<i>Student progression</i>	<i>Percentage against enrolled</i>
<i>UG to PG</i>	-
<i>PG to M.Phil, DM / M Ch / DNB</i>	-
<i>PG to Ph.D.</i>	-
<i>Ph.D. to Post-Doctoral</i>	-
<i>Employed</i>	
• <i>Campus selection</i>	-
• <i>Other than campus recruitment</i>	-
<i>Entrepreneurs</i>	-

36. Diversity of staff

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	0
<i>from other universities within the State</i>	100 %
<i>from universities from other States</i>	0
<i>from universities outside the country</i>	0

37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) *Library*

Referral books-40.

E-books-11.

Indian Journals-5.

E-Journals-19.

b) *Internet facilities for staff and students*

15 Nodes

c) *Total number of class rooms*

6

d) *Class rooms with ICT facility and 'smart' class rooms*

ICT-enabled classes-5

Smart class room-0

e) *Students' laboratories*

One in the ward

***f) Research laboratories***

Central research Lab

***39. List of doctoral, post-doctoral students and Research Associates***

***a) from the host institution/university***

***b) from other institutions/universities***

Nil

***40. Number of post graduate students getting financial assistance from the university.***

Not Applicable

***41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.***

No

***42. Does the department obtain feedback from***

***a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?***

Faculty on curriculum as well as teaching-learning-evaluation:

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Department Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner.
- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.

***b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?***

Students on staff, curriculum and teaching-learning-evaluation:

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Department Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then

implemented in a phased manner.

- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.

***c. alumni and employers on the programs offered and how does the department utilize the feedback?***

Alumni and employers on the programs offered:

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Department Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner within the constraints and limits laid down by the Medical Council of India.

***43. List the distinguished alumni of the department (maximum 10)***

Nil

***44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.***

No

***45. List the teaching methods adopted by the faculty for different programs including clinical teaching.***

M.B.B.S. Theory: Didactic lectures, Interactive teaching in small groups, Tutorials, Seminars

Clinical: Skill lab teaching, Case presentation, Bedside teaching, Demonstration, AV teaching, Visual based teaching.

***46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?***

Knowledge

- Regularly conducted structured teaching program ensures that all updated knowledge required by the students is delivered to them
- Regular updating of the curriculum ensures continues quality control.

Skill

- Regular bedside teaching during daily rounds, grand rounds, case presentation, X- Ray demonstration case discussion in done.
- Clinical skills lab is used to train students in necessary skills.
- Procedures are demonstrated and later supervised to give students confidence and independence.

Attitude

- Emphasis on communication skills is done by all faculty during rounds and clinical teaching.
- Attention is given in teaching Doctor Patients communications.
- Role modeling by faculty contributes to this area.
- Empathy towards patients and relatives is conveyed to students through words, teaching and example.

Monitoring Learning Outcomes

- Discussing during teaching-learning sessions help to assess the students.
- Attendance of students is monitor to see its impact on assessment results.

***47. Highlight the participation of students and faculty in extension activities.***

- We conduct TB Detection camp on world TB camp on 22nd March every year.
- We conduct street play on health education explaining importance of treatment of tuberculosis.

***48. Give details of “beyond syllabus scholarly activities” of the department.***

Nil

***49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.***

NAAC has accredited the University with ‘A’ grade in April 2012.

***50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.***

Nil

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strengths**

- Department has sophisticated instruments and personnel to diagnose different diseases in pulmonary medicine
- Dedicated and experience faculty to teach UG students.
- Good coordination to other department like medicine, Radiology, Surgery Pathology to treat the patients.
- All patients in RICU and in Medical ward requiring our consultation is done with good team work.
- RNTCP department is working with us to treat patients of Tuberculosis and MDR-TB, with diagnostic facilities for detection of MDR-TB. RNTCP department has treated 312 sputum +ve cases and 51 sputum –ve cases, 107 extra pulmonary cases, 7 MDR TB cases with average cure rate 98%.

**Weaknesses :**

- Less numbers of Research projects.
- Less numbers of publications.
- No PG course in this subject.
- Lack of some sophisticated tests like, Gas transfer DLCO / TLCO, sleep studies (OSA) and Thoracoscopy.

**Opportunity**

- To initiate to start PG courses.
- To prepare good data on present patients and prepare for publications.
- To write short books on ABG and Ventilators,
- To enhance diagnostic facilities by introducing GENE-XPRT, and sputum for AFB culture and sensitivity by BACTEC, MGIT.
- Fellowship courses on COPD, Asthma and Allergy and Immunology.

**Challenges**

- To make awareness of pollution hazards in different industries in and around Kolhapur like Foundry & Textiles.

- Early detection of air pollution related respiratory diseases mainly COPD in village women who are exposed to chullah, Biomass fuel.
- This can be done by repeated camps holding at village levels.
- Early detection of MDR-TB by GENE-XPRT / LPA to avoid further spread of MDR-TB.
- To promote all physicians to use facility of PFT, more in number to diagnose early detection of COPD.
- Make awareness of dreadful diseases called Interstitial Lung diseases (ILD) to public and to all family physicians.

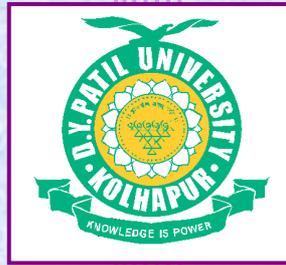
**52. *Future plans of the department.***

Short term (within five years)

- Sleep study lab
- Thoracoscopy
- Upgrade Respiratory Intensive Care Unit
- To teach more & more Intensivists regarding IPPV, NIV, ABG and Bronchoscopy,
- To start DLCO / TLCO for early diagnosis of ILD.
- To get Government funded research projects.

Long term plans (Ten years)

- To initiate facility for Lung Surgery like Decortications, Lobectomy etc.
- To initiate the centre for pulmonary rehabilitation.
- Activate the department to start PG, Diploma and Fellowship courses.
- To start video Bronchoscopy.
- To start Video assisted Thoracoscopy (VAT)
- To start facility of Bronchial Artery Embolization (BAE), with the help of cath lab.



## **Evaluative Report of the Department**

# **Psychiatry**

## Evaluative Report of the Department

**1. Name of the Department**

Psychiatry

**2. Year of establishment**

1990

**3. Is the Department part of a college/Faculty of the university?**

Yes. Part of the medical college.

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

<i>Programme</i>	<i>Courses Name</i>
UG	M.B.B.S
PG	MD Psychiatry

**5. Interdisciplinary programs and departments involved**

Nil

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

**7. Details of programs discontinued, if any, with reasons**

Nil

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

System

**UG:**

Formative assessments taken at the end of clinical posting for students from. Preliminary and final examination for undergraduates is a part of General medicine curriculum.

**PG:**

Formative assessment are taken at the end of every year. Preliminary examination is conducted for final-year MD students. Final university post-graduate examinations are conducted at the end of the 3-year MD psychiatry course.

**9. Participation of the department in the courses offered by other departments**

Clinical rotation in training programs of departments of General medicine, ophthalmology and radiology.

**10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	1	1
<i>Associate Professor/Reader</i>	1	1	1
<i>Assistant Professor</i>	2	2	2
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>			
<i>Senior Resident</i>	2	2	2

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Years of Experience</b>
Dr. Gurudas R. Harshe	MD	Professor & Head	18 years
Dr. Yogesh Kulkarni	DPM, DNB	Associate Professor	17 years
Dr. Nikhil Chougule	MD	Assistant Professor	7 years
Dr. Devavrat Harshe	MD	Assistant Professor	2 years

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

<i>Sr. No.</i>	<i>Name</i>	<i>Whether Visiting Fellows, adjunct faculty, emeritus professors</i>

Nil

**13. Percentage of classes taken by temporary faculty – program-wise information**

No temporary faculty for UG and PG programs

**14. Program-wise Student Teacher Ratio**

Programme	Student-Teacher Ratio
MBBS	37.5: 1
MD Psychiatry	1:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual</i>
<i>Academic Staff (technical)</i>	2	2	2
<i>Administrative Staff</i>	1	1	1

**16. Research thrust areas as recognized by major funding agencies**

Nil

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

None

**18. Inter-institutional collaborative projects and associated grants received**  
**a) National collaboration**

A study to compare the use of smart phone for learning among postgraduate medical students and interns between an urban municipal medical college and urban private medical college. In collaboration with Department of Psychiatry, Topiwala National Medical College, Mumbai. No grants received.

A study of psychiatrists' attitudes and beliefs towards electroconvulsive therapy as a treatment modality in clinical practice. In collaboration with Department of Psychiatry, Lokmanya Tilak Municipal Medical College, Sion, Mumbai.. No grants received.

**b) International collaboration**

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

Nil

**20. Research facility / centre with**

- *state recognition*
- *national recognition*
- *international recognition*

Central Research Laboratory of the university is recognized by BARC, ICMR, DST and DBT

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications:**

- \* **Number of papers published in peer reviewed journals (national / international):**

18

As per Medical Council Of India, recommended databases for medical publications are Scopus, PubMed, Index Copernicus, Index Medicus, Medline, Embase.

- \* **Monographs:**

0

- \* **Chapters in Books:**

0

- \* **Books edited:**

0

- \* **Books with ISBN with details of publishers:**

0

- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):**

- \* **Citation Index – range / average:**

2

- \* **SNIP:**

- \* **SJR:**

- \* **Impact Factor – range / average:**

3

- \* **h-index:**

Nil

**23. Details of patents and income generated**

None

**24. Areas of consultancy and income generated**

None

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Nil

**26. Faculty serving in**

- a) National committees b) International committees c) Editorial Boards  
d) any other (specify)*

	National Committees	International Committees	Editorial Boards	Other
Number of faculty	-	0	0	2

- Dr. Nikhil Chougule:  
Current Secretary of Deccan Psychiatric Association  
Treasurer Kolhapur Psychiatric Association (2013-2014)
- Dr. Devavrat Harshe:  
Quiz master for postgraduate as well as undergraduate psychiatry quiz at the Indian Psychiatric Society Western Zonal Branch since 2014.

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

Name	CME	Workshop	Conference	Total
National	-	2	2	4

**28. Student projects**

- *percentage of students who have taken up in-house projects including inter-departmental projects*  
100%
- *percentage of students doing projects in collaboration with other universities / industry / institute*  
50%

	Ongoing	Completed	Total
Projects by undergraduate students via ICMR-STs	1	0	1
Projects by PG students as their dissertations	6	3	9
Projects by PG students apart from their dissertations	1	3	4
Projects by undergraduate students apart from ICMR-STs	2	0	2

**29. Awards / recognitions received at the national and international level by**

- *Faculty*
- *Doctoral / post doctoral fellows*

- **Students**

Dr. Devavrat Harshe

- Bombay Psychiatric Society Silver Jubilee Best Paper Award
- 66th Annual Conference of Indian Psychiatric Society, Pune January 2014

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Nature	Theme	Period	Funding	Participants
Workshop	Psychometry Workshop	23 <sup>rd</sup> -25 <sup>th</sup> December 2016	Industry and registration fees	55

**31. Code of ethics for research followed by the departments**

- All research is approved by the Institutional Ethics Committee (IEC) before commencement.
- All research is conducted as per the GCP-ICH and the IEC recommendations.

**32. Student profile program-wise:**

Name of the Program (refer to question no. 4)	Total number	Selected		Pass percentage	
		Male	Female	Male	Female
III/II MBBS	142	96	46	Passed III/I MBBS	Passed III/I MBBS

**33. Diversity of students**

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MD Psychiatry 2016	0%	50%	50%	0%
MD Psychiatry 2015	0%	0%	100%	0%
MD Psychiatry 2014	0%	0%	100%	0%

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.**

None

**35. Student progression**

<i>Student progression</i>	<i>Percentage against enrolled</i>
<i>UG to PG</i>	
<i>PG to M.Phil, DM / M Ch / DNB</i>	
<i>PG to Ph.D.</i>	
<i>Ph.D. to Post-Doctoral</i>	
<i>Employed</i>	
<ul style="list-style-type: none"> <li>• <i>Campus selection</i></li> <li>• <i>Other than campus recruitment</i></li> </ul>	
<i>Entrepreneurs</i>	

**36. Diversity of staff**

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	0%
<i>from other universities within the State</i>	75%
<i>from universities from other States</i>	0%
<i>from universities outside the country</i>	25%

**37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period**

None

**38. Present details of departmental infrastructural facilities with regard to****a) Library**

Extensive collection of 250 books with reading room (~100 sq ft)

**b) Internet facilities for staff and students**

5 nodes available in OPDs and departmental offices.

**c) Total number of class rooms**

6

**d) Class rooms with ICT facility and 'smart' class rooms**

ICT enabled rooms – 2

**e) Students' laboratories**

1

**f) Research laboratories**

Central research cell

**39. List of doctoral, post-doctoral students and Research Associates****a) from the host institution/university****b) from other institutions/universities**

Nil

**40. Number of post graduate students getting financial assistance from the university.**

Nil

**41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

None

**42. Does the department obtain feedback from**

**a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

- Yes. The suggestions received and the results of feedback are discussed at the Departmental Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner.
- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.

**b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

- Yes. The suggestions received and the results of feedback are discussed at the Departmental Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner.
- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.

**c. alumni and employers on the programs offered and how does the department utilize the feedback?**

- Yes. The suggestions received and the results of feedback are discussed at the Departmental Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner within the constraints and limits laid down by the MCI.
- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.

**43. List the distinguished alumni of the department (maximum 10)**

Nil

**44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.**

- 3 Day Workshop on Psychometrics was conducted by the Department from 23-25 Dec 2016 at the Conference Hall, D.Y Patil Hospital, Kadamwadi, Kolhapur. The speaker was renowned Psychologist Dr. Dwarka Pershad Additional Professor, PGI, Chandigarh.
- 2 Day Workshop on Meta-analysis and Drug Interactions in Psychopharmacology will be organized and conducted on 15<sup>th</sup> and 16<sup>th</sup> April 2016 at Citron Hall, Hotel Citrus, Kolhapur. The speaker the Eminent and renowned Psychiatrist Dr. Chitranjan Andrade, NIMHANS, Bangalore.
- ‘Astu’ movie screening on 15<sup>th</sup> Jan. 2015  
Astu is a movie depicting an elderly with dementia and his struggles in daily life. Screening was organized for all consultants. Dr Mohan Agashe, veteran actor and eminent psychiatrist, engaged with the audience after the screening.

**45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

MBBS: Theory: didactic lectures, interactive teaching, tutorials, seminars.

Clinical: Skill lab teaching, CP, bedside teaching, demonstrations, AV-teaching, Visual based teaching.

MD: Interactive teaching, seminars, bedside teaching, case presentations, AV teaching, journal clubs.

**46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

Meeting program objectives:

**Knowledge**

- Structured teaching program for students to acquire updated knowledge in the subject.
- Regular updation of the curriculum as a measure of quality control.

- CME's, workshops, guest lectures for keeping in touch with recent advances in the subject.
- Research projects by the faculty and the students for training students in clinical research as well as contributing new knowledge.

### **Skills**

- Regular bedside teaching in the form of rounds, case presentations and case discussion.
- Skills in clinical interview and structured assessment are taught to students under supervision. Students are given independence to carry out assessment to gain confidence and learn.

### **Attitudes**

- Emphasis is given to good communication skills and empathy during the rounds, interviews, history taking and psycho-education.
- Role-play for patient related issues; such as psycho-education, explaining the bio-psycho-social model, explaining prognosis etc.

### **Monitoring:**

- Regular assessments in the form of seminars, journal club and case presentations which are appraised by the present faculty.
- Annual formative assessments help charting the student's learning abilities and progress.
- Regular monitoring of students' research projects such as dissertations and other research projects.
- Students maintain Log-books to keep a track of their learning throughout the course.
- Feedback is taken from students and faculty from time-to-time.

### ***47. Highlight the participation of students and faculty in extension activities.***

- World Schizophrenia Day was observed on May 24, 2016.
- World Mental Health Day was observed on Oct 10, 2016.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- PG residents regularly attend the monthly meetings and CMEs organised by the Kolhapur Psychiatric Society to get updates on the recent advances in psychiatry.
- Dr. Abhishek Chugh presented a paper titled “ A Study of individual suggestibility, perceived locus of control and coping strategies and their relationship with perceived validity of horoscope prediction in medical interns” for the A.K Naik best paper Award of the Bombay Psychiatric Society at their Annual Meeting in April 2016.
- Dr. Saras Prasad presented a paper titled “Psychological predictors of smartphone use in doctors” at the 47<sup>th</sup> Annual Conference of the IPS West Zone in Oct 2016 at Vadodara.
- Dr. Shruti Sharma presented a poster titled “A Study of individual suggestibility, perceived locus of control and coping strategies and their relationship with perceived validity of horoscope prediction in medical interns “ at the 47<sup>th</sup> Annual Conference of the IPS west Zone in Oct 2016 at Vadodara.
- Dr. Shabiullah Syeed and Dr. Saras Prasad participated in the Zonal Post graduate Quiz organized by the Kolhapur Psychiatric Society under the aegis of IPS in August 2016 at Kolhapur.
- A seminar on the topic : ECT in the Elderly was attended by the residents and faculty of the department in July 2016 at Kolhapur.
- Dr. Devavrat Harshe has been the Quiz Master for both UG and PG Quiz organized by the IPS West Zone at the Annual Conferences since 2014.

**49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

NAAC has accredited the University with A grade in April 2012.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

This is done through research projects and publications

- The department conducted a project titled “Suggestibility, perceived locus of control and their impact on perceived validity of

horoscopic predictions in doctors”. It was observed that, internal psychological factors such as suggestibility and locus of control determine whether an individual believes in horoscopic predictions or not.

- The department conducted a project titled “Psychological predictors of smartphone use in doctors”. It was observed that an individual’s internal characteristics such as materialism determine for how long an individual uses his/her smartphone. The study also showed predictors for excessive gaming to be materialism, for excessive online shopping to be less ego resiliency. This study was unique as observations were based on objectively measured smartphone usage by tracer apps.
- The department, in collaboration with the Department of psychiatry, Lokmanya Tilak Municipal Medical College conducted a study titled “A study to compare the use of smartphone for learning among postgraduate medical students and interns between an urban municipal medical college and private medical college”. The study showed that, newspapers do not follow the guidelines issued by the WHO as well as Indian Psychiatric Society while reporting suicide news. It was also seen that, patterns of portrayal of suicide changes significantly after a celebrity suicide.

***51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.***

**Strengths**

- Excellent library with an extensive collection of books.
- Experienced and enthusiastic faculty.
- Healthy work-environment for better participation form all in departmental activities.
- Good consultation –liaison psychiatry exposure to residents.

**Weaknesses**

- Lack of consultancies for the faculties.
- Few research projects involving industry collaborations.

- Lower exposure to other psychiatric sub-specialties such as industrial psychology, psycho-oncology etc..

#### Opportunities

- To increase PG intake
- DNB/DM courses.
- Establishing a suicide prevention helpline.
- Increase research collaborations with alternative medicine for newer therapeutic modalities in psychiatric disorders.
- Research on non-pharmacological interventions in psychiatric disorders.

#### Challenges

- Creating awareness and interest about psychiatry among undergraduate students.
- Maintaining regular compliance from patients for chronic psychiatric disorders.
- Addressing stigma about psychiatric disorders in general public.
- Lack of insurance support for psychiatric disorders.
- Lack of awareness and knowledge about psychiatric disorders among medical community.

### ***52. Future plans of the department.***

#### **Short-term (Within 5 years)**

- Fellowship programs.
- Community awareness extension programs.
- Suicide prevention helpline

#### **Long-term (10 years)**

- Establishment of super-specialty courses.
- Centre for excellence in management of substance use disorders.



## **Evaluative Report of the Department**

# **General Surgery**

## Evaluative Report of the Department

**1. Name of the Department**

General Surgery

**2. Year of establishment**

1990

**3. Is the Department part of a college/Faculty of the university?**

Yes. Part of the College.

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

<i>Programme</i>	<i>Courses Name</i>
UG	M.B.B.S
PG	MS General Surgery
Doctoral	Ph.D.

**5. Interdisciplinary programs and departments involved**

Nil

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

**7. Details of programs discontinued, if any, with reasons**

Nil

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

UG:

Formative: Internal assessments are taken at the end of 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup> & 9<sup>th</sup> Semesters and Preliminary exam is also taken

Summative: Final University examination taken at end of course.

PG:

Formative: Internal assessments are taken at end of every year

Summative: Final University examination is taken at end of 36 months.

**9. Participation of the department in the courses offered by other departments**

Participation of faculty from Department of Surgery is present in the training program of departments of

- Orthopedics
- ENT
- Radiology
- Anesthesiology

**10. Number of teaching posts sanctioned, filled and actual  
(Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	5	5
<i>Associate Professor/Reader</i>	5	5	5
<i>Assistant Professor</i>	9	10	10
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>	-	-	-
<i>Senior Resident</i>	5	6	6

**11. Faculty profile with name, qualification, designation, area of  
specialization, experience and research under guidance**

<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>
Dr. R.M. Kulkarni	MBBS, MS	Professor & HOD	General Surgery	34 years
Dr. Abhay D. Chougale	MBBS, MS	Professor	General Surgery	27 years
Dr. A.A. Kulkarni	MBBS, MS	Professor	General Surgery	28 years
Dr. M.N. Ghatage	MBBS, MS	Professor	General Surgery	23 years
Dr. (Mrs) V.V. Gaikwad	MBBS, MS	Professor	General Surgery	22 years
Dr. (Mrs) R.R. Khylappa	MBBS, MS	Associate Professor	General Surgery	22 years
Dr. Uddhav Patil	MBBS, MS MCH	Associate Professor	Plastic Surgery	26 years
Dr. R.B. Kulkarni	MBBS, MS	Associate Professor	General Surgery	12 years
Dr. Shital Murchite	MBBS, MS	Associate Professor	General Surgery	11 years
Dr. Ashok Joshi	MBBS, MS	Associate Professor	General Surgery	16 years
Dr. Pratap A. Varute	MBBS, MS	Assistant Professor	General Surgery	13 years
Dr. Ashok Dhonde	MBBS, MS	Assistant Professor	General Surgery	12 years
Dr. Sandeep Inchanalkar	MBBS, MS MCH	Assistant Professor	Neuro Surgery	07 Years
Dr. Priyadarshi Ghodake.	MBBS, MS	Assistant Professor	General Surgery	05 years
Dr. Archana Pawar	MBBS, MS, MCH	Assistant Professor	Plastic Surgery	07 years
Dr. Mayuresh Deshpande	MBBS, MS, MCH	Assistant Professor	Plastic Surgery	07 Year

<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>
Dr. Suraj Dighe	MBBS, MS, MCH	Assistant Professor	Pediatric Surgery	09 years
DR. Abhinandan Kadiyal	MBBS, DNB	Assistant Professor	General Surgery	06 year
Dr. Uday Ghate	MBBS, MS, MCH	Assistant Professor	Neuro Surgery	07 year

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

Nil

**13. Percentage of classes taken by temporary faculty – program-wise information**

All the faculty members are permanent. There is no temporary faculty for both UG & PG program.

**14. Program-wise Student Teacher Ratio**

<i>Program</i>	<i>Student-Teacher Ratio</i>
MBBS	7:1
MS	1:1
PhD	1:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual</i>
<i>Academic Staff (technical)</i>	4	4	4
<i>Administrative Staff</i>	4	4	4

**16. Research thrust areas as recognized by major funding agencies**

Diabetic foot management and Regional Nerve blocks.

- Assessing the foot at risk and reducing the incidence of amputation in diabetic patients. (sanctioned Rs. 25,00,000/-)
- Prospective study of transectaneous oxygen tension measurement in predicting wound healing in diabetic patients with vasculopathies after lumbar sympathetic blocks.
- Effectiveness of autologous platelet rich plasma on chronic non-healing wound.

Carcinoma Breast

- Clinical study of combined near infrared optical imaging and sonography in screening breast malignancies.

Head and Neck malignancy.

- Comparative study of ultrasonic energy devices versus Diathermy in head and neck surgery.

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

- Assessing the foot at risk and reducing the incidence of amputation in diabetic patients. (sanctioned Rs.25,00,000/-) by D.Y. Patil University, Kolhapur.
- Clinical study of combined near infrared optical imaging and sonography in screening breast malignancies.

**18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration**

- Prevalence of renal calculus disease in Deccan area in collaboration with Dept. of Surgery KIMS, Karad. Grant received: 5 Lakhs.
- Role of Screening in early detection of Head & Neck Cancer in collaboration with Dept. of Surgery Bharati Vidyapeeth, Sangli.

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

**Funded by University:**

Role of Regional blocks in avoiding major amputation in chronic ischemia of lower limbs.	2 lakhs	D Y Patil University	2016-2018
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**20. Research facility / centre with**

- *state recognition*
- *national recognition*
- *international recognition*

Central Research Laboratory of University is recognized by BARC, ICMR, DST, DBT.

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications:**

- \* *Number of papers published in peer reviewed journals (national / international):*  
34
- \* *Monographs:*  
One
- \* *Chapters in Books:*  
One
- \* *Books edited:*  
Nil
- \* *Books with ISBN with details of publishers:*
- \* *Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):*
- \* *Citation Index – range / average: -*
- \* *SNIP: -*
- \* *SJR: -*
- \* *Impact Factor – range / average: -*
- \* *h-index: -*

**23. Details of patents and income generated**

Nil

**24. Areas of consultancy and income generated**

- Consultancy offered to: CGHS, ECHS & BSNL Scheme.
- Guidance program for Health System Management trainees from Engineering College and CSIBER Institute.

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Regional	22
State Level	14
Zonal	12
National	04
International	03

2 faculty members were selected by the University of Technology Mauritius to serve as subject experts from 2013, 2016.

**26. Faculty serving in**

***a) National committees b) International committees c) Editorial Boards***

***d) any other (specify)***

Office Held	
At Regional Level	08
At State Level	06
At National Level	02
At International Level	02

Dr. R. M. Kulkarni :-

- Past President – ASI Maharashtra Chapter.
- President, Kolhapur Urology Society.
- Secretary, IMA Kolhapur Branch.
- Chairman, Medical Sports Committee, IMA Maharashtra State.
- Expert Member, Board of studies KIMS, Karad & KLE Belgaum.

Dr. Pratap A. Varute :-

- Organizing Secretary, MASICON – 2016.
- Vice-President, ASI Maharashtra Chapter.
- Treasure – Critical care society of India, Kolhapur Branch.
- Secretary General, Kolhapur Surgical Society.
- President – Maharashtra Chapter – 2017.

***27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).***

***28. Student projects***

- ***percentage of students who have taken up in-house projects including inter-departmental projects***
- ***percentage of students doing projects in collaboration with other universities / industry / institute***

100% students are doing in-house projects at Post Graduate level. 35% of them are involved in interdepartmental projects or in collaboration with Engineering Institute.

**29. Awards / recognitions received at the national and international level by**

- Faculty
- Doctoral / post doctoral fellows
- Students

Awards	No of faculties
Fellowship in Laparoscopy	08
Fellowship in Advance Laproscopy	04
Faculty Teacher for Laser applications	01
Fellowship in Reconstructive surgeries	02
Fellowship of International College	03
Faculty for GI Endoscopy	02
PG Gold Midlist in the University	02
Best PG Podium session paper	03

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Nature of program	Theme	Period	Funding	Outstanding participants
Urology Update	Recent Advances in Urology	April -2013	USI – WZ Industry & Registration Fee & DYPU	Dr .Preminger Dr. Mahesh Desai.- President USI . Dr. Ravindra Sabnis. President USI – WZ.
MS State PG – CME	Surgical Update	Feb-2012, March-2014 March-2015.	MCI DYPU ASI-MS	Dr. Chitamani. Dr. Abhay Dalvi. Dr. Amit Maydeo.
ASI-MS Conference MASICO - 2016	Advances in Surgery	Feb-2016	ASI ASI-MS Industry, Hospital, Association, Registration Fee	Dr. G.V. Rao. Dr. Rajan Badwe. Dr. Suresh Vashisth- President ASI.
Skill course	GI Endoscopy.	Feb-2016	DYPU Industry & Registration Fee	Dr. Amit Maydeo.
Workshop	Urethral reconstruction	April - 013	USI-WZ DUPU	Dr. Ganesh Gopalkrishnan

**31. Code of ethics for research followed by the departments**

- All research is approved by the Institutional Ethics Committee (IEC) before commencement.
- All research is conducted as per the GCP-ICH guidelines and the IEC recommendations.

**32. Student profile program-wise:**

<i>Name of the Program (refer to question no. 4)</i>	<i>Total number</i>	<i>Selected</i>		<i>Pass percentage</i>	
		<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>
III/II MBBS	142	96	46	Passed III/I MBBS	Passed III/I MBBS

**33. Diversity of students**

<i>Name of the Program (refer to question no. 4)</i>	<i>% of students from the same university</i>	<i>% of students from other universities within the State</i>	<i>% of students from universities outside the State</i>	<i>% of students from other countries</i>
MS Surgery 2016	20%	40%	20%	40%
MD Surgery 2015	20%	20%	40%	20%
MD Surgery 2014	20%	40%	40%	0%

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.**

Nil

**35. Student progression**

<i>Student progression</i>	<i>Percentage against enrolled</i>
<i>UG to PG</i>	70%
<i>PG to M.Phil, DM / M Ch / DNB</i>	50%
<i>PG to Ph.D.</i>	-
<i>Ph.D. to Post-Doctoral</i>	-
<i>Employed</i>	
• <i>Campus selection</i>	-
• <i>Other than campus recruitment</i>	20%
<i>Entrepreneurs</i>	30%

**36. Diversity of staff**

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	Nil
<i>from other universities within the State</i>	80%
<i>from universities from other States</i>	20%
<i>from universities outside the country</i>	Nil

**37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period**

One

**38. Present details of departmental infrastructural facilities with regard to**

**a) Library**

Number of Books-313, e-books-50

Indian Journals-71, General Surgery-8, e-Journals-125, e-Journal-12

International Journals-43, General Surgery-14

Digital Library:

- 6 Computer terminals
- Internet connectivity of all 6 terminals
- Subscription of ProQuest search engine available

**b) Internet facilities for staff and students:**

15 nodes

**c) Total number of class rooms:**

6

**d) Class rooms with ICT facility and 'smart' class rooms:**

4

**e) Students' laboratories :**

2

**f) Research laboratories:**

Central Research Lab, Skill & SIM Lab-1.

**39. List of doctoral, post-doctoral students and Research Associates**

**a) from the host institution/university**

**b) from other institutions/universities**

Nil

**40. Number of post graduate students getting financial assistance from the university.**

5 (Five)

**41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

Yes.

Methodology:

- Assessment of number of patients needing specialized services or knowledge in the respective departments was done within the hospital.
- Estimation of the probable need in the local population was made
- Information on availability of existing trained personnel was gathered
- Presence of employment or work opportunities for beneficiaries of new fellowship programs under consideration were ascertained.

- Facilities and work needed for training must be available within the institution was confirmed.

**42. Does the department obtain feedback from**

***a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?***

Faculty on curriculum as well as teaching-learning-evaluation:

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Department Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner.
- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.

***b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?***

Students on staff, curriculum and teaching-learning-evaluation:

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Department Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner.
- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.

***c. alumni and employers on the programs offered and how does the department utilize the feedback?***

Alumni and employers on the programs offered:

Yes

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Department Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then

implemented in a phased manner within the constraints and limits laid down by the Medical Council of India.

- Effects of the changes implemented are again discussed at the Departmental Committee to assess impact.

**43. List the distinguished alumni of the department (maximum 10)**

1. Dr. Arjun Adnaik-Cardiologist.
2. Dr. Arvind Ganpule-Robotic Urologist
3. Dr. Gurmeet Singh-CVT Surgeon.
4. Dr. Amit Mankal-Urologist.
5. Dr. Latif Bagwan-Laposcopic Surgeon.
6. Dr. Abhijit Ganpule-Hematologist.
7. Dr. Santosh Nagaonkar-Uro-Oncologist.
8. Dr. Jignesh Gandhi-Eminent Professor.
9. Dr. Anish Amate-Gastrologist.
10. Dr. Sanjay Desai-Cardiologist.

**44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.**

- Extra classes.
- Reimbursement / Exemption from registration fees for PGs attending conferences/workshop/CMEs.
- Guest Lectures – at least one per month.
- Moral Guidance Scheme.
- Advanced learners – Grand rounds, PG Seminars and clinics and integrated seminars.
- Felicitation of toppers in the subject.

**45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

MBBS:

Theory: Didactic Lectures, Interactive teaching in small groups, Tutorials, Seminars

Clinical: Skill Lab teaching, Case presentation, Bedside teaching, Demonstrations, AV-teaching, Visual based teachings

MS:

Theory: Didactic lectures, Journal club, Group discussions, Guest lectures, Mortality meets

Clinical: Case presentations, Ward Rounds, Grand Rounds, Demonstrations, Assisted and supervised Procedures.

**46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

Meeting Program Objectives:

Knowledge:

- Regularly conducted structured teaching program ensures that all updated knowledge required by the students is delivered to them.
- Regular updating of the curriculum ensures continuous quality control.
- Regular CMEs, workshops, Guest lectures ensuring that students are in touch with the recent advances in the field.
- Participation in research projects both as part of mandatory dissertations and faculty projects is used to train students in this field.

Skills:

- Regular Bedside teaching during daily rounds, grand rounds, case presentations, case discussions is done
- Clinical Skills Lab is used to train students in necessary skills.
- Procedures are demonstrated and later supervised to give students confidence and independence.

Attitude:

- Emphasis on communication skills is done by all faculty during rounds and clinical teaching.
- Role playing for patient related issues such as breaking bad news etc is done.
- Role modeling by faculty contributes to this area
- Empathy towards patients and relatives is conveyed to students through words, teaching and example.

Monitoring Learning Outcomes

- Assessments are regularly conducted in a fair and transparent manner.
- Attendance of students is monitored to see its impact on assessment results.
- Formative assessments help to understand the pace of student

learning.

- Discussions during teaching-learning sessions help to assess the students.
- Regular monitoring of thesis, presentations, seminars and journal discussions by students helps the faculty to guide students based on their current understanding.

***47. Highlight the participation of students and faculty in extension activities.***

- Camps conducted by hospital
- Tree Plantation
- Blood Donation
- Celebration of International/National Health days
- Swachh Bharat Abhiyaan.
- International tie up for skill enhancement.
- NGO's for resource mobilization and assistance.
- Health checkups for Senior Citizens.
- School Health Check up.
- On field camps in rural and remote area with free treatment and follow up.
- Monthly specialist visits to adopted villages and PHC's.

***48. Give details of "beyond syllabus scholarly activities" of the department.***

- Basic Life Support (BLS) demonstration are conducted for students, para medics and public at large, with help of Dept. of Anesthesia.
- Guidance for data compilation and retrieval for publications is offered on regular basis to medical professionals in and around the city.
- Experimental studies are helped and organized at RICH CELL.
- Workshops for skill enhancement using cadaveric organs and parts.
- Quiz competitions and debates organization on various surgical topics.
- The resources are utilized to notify and manage complicated and rare surgical cases. The experience is shared with other institutes and professionals at monthly meetings.
- Poster sessions and Podium presentations are organized for PG students.

***49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.***

NAAC has accredited the University with A Grade in April 2012.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- This is done through research projects and publications.
- Case reports on unusual presentations or complications add to knowledge in the field.

Innovative Practices:

- Outcome based Governance.
- Creation of e-Library.
- Best Teaching practice appreciation and propagation.
- Use of ICT in most of teaching sessions.
- Alumni Interaction for Student Development.
- Creation of Cell for Research Integrating the Comprehensive Health (RICH) – To facilitate research from the bench to bed side.

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strengths:

- Cutting –edge / innovative surgical technology available.
- Low turnover of clinical faculty.
- Strong (and expanding) surgical critical care presence and leadership.
- Significant hospital support for new ventures.
- Established DOS quality programme.

Weaknesses:

- No coordinated marketing plan.
- Few clinical health care research projects with international collaboration.
- Communication with referring doctors not uniform.
- Coordinated and efficient use of mid-levels of faculty.
- Lack coordinated plans to increase some subspecialty work.

Opportunity:

- Institutional approach, not individual.
- Salary structure/incentive model that is program focused and result oriented.
- Increased supervision of residents.
- I.T. optimization in teaching as well as health care.

- Joint physician liaison and marketing efforts.

Challenges:

- Introduction of Health Insurance schemes, mandating predefined treatment protocols.
- Entry of multispecialty hospitals, causing division of clinical material.
- Scarcity of qualified and dedicated paramedical staff.
- Industry collaborations for research activities and extension activities to be increased.
- Improve patient care facilities for Senior Citizens and differently-abled persons.

**52. Future plans of the department.**

Short Term (Within 5 Years)

- International collaboration for coordinated research and technology transfer. (2017-20).
- Planning to set up separate curricular program for Advanced trauma care and surgical critical care. (2018).
- Curriculum design on track lines of international Standards.
- Innovative Modules for PG and UG programs.

Long Term Plans (10 years):

Inter-University research projects

1. Urinary calculus Disease
2. Head and Neck Cancer
3. Diabetic Foot Management
4. Abdominal Trauma Care

Prevalence  
Epidemiology  
Prognosis

**Organizations of National/International events**

Head and Neck Oncology.

Plastic Surgery.

Laparoscopic surgery skill technology transfer.



## **Evaluative Report of the Department**

## **Orthopedics**

## Evaluative Report of the Department

**1. Name of the Department**

Orthopedics

**2. Year of establishment**

1990

**3. Is the Department part of a college/Faculty of the university?**

Yes. The part of the College.

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

<i>Course Level</i>	<i>Course Name</i>
UG	MBBS
PG-Degree	MS (Ortho)
PG-Diploma	D.Ortho.

**5. Interdisciplinary programs and departments involved**

Ph.D. Department of Medicine & Pharmacology, Radiation Physics & Department of Regenerative Medicine.

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

**7. Details of programs discontinued, if any, with reasons**

Nil

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

Examination system:-

For UG- Internal assesment at 6<sup>th</sup>, 8<sup>th</sup> & 9<sup>th</sup> term both theory&Practical.

Final Examination at the end of 9<sup>th</sup> term both Theory & Practical.

For PG-Internal assessment-theory exam at the end of Ist & IInd year & Preliminary exam

At IIIrd year Final examination at the end of 3 yrs for MS Ortho & 2 yrs for D.Ortho.- both theory & Pratical

**9. Participation of the department in the courses offered by other departments**

Participation of faculty from the Dept. of Ortho is present in the training programme of,

- Gen. Surgery
- ENT
- Radiology
- Anaesthesiology

**10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	3	3
<i>Associate Professor/Reader</i>	3	3	3
<i>Assistant Professor</i>	3	5	5
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>			
<i>Senior Resident</i>	3	5	5

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>
Dr. S.A. Lad	MBBS,MS, DNB	Prof. & HOD	Orthopedics	15 Yrs
Dr. N.D. Bhosale	MBBS, MS	Prof.	Orthopedics	19 Yrs
Dr. Sachin Phirke	MBBS, MS	Professor	Orthopedics	19 Yrs
Dr. Pradip Patil	MBBS, MS	Asso. Prof.	Orthopedics	16 Yrs
Dr. Shirke Abhay	MBBS, MS	Asso. Prof.	Orthopedics	18 Yrs
Dr. P.G. Kulkarni	MBBS, MS	Asso. Prof.	Orthopedics	20 Yrs
Dr. Ravindra Patil	MBBS, MS	Asstt. Prof.	Orthopedics	07 Yrs
Dr. Shreshti Sushil	MBBS, MS	Asstt. Prof.	Orthopedics	04 Yrs
Dr. Amol Gowaikar	MBBS, DNB	Asstt. Prof.	Orthopedics	05 Yrs
Dr. Umesh Jain	MBBS, MS	Asstt. Prof.	Orthopedics	05 Yrs
Dr. Sandip Patil	MBBS, MS	Asstt. Prof.	Orthopedics	05 Yrs

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

Nil

**13. Percentage of classes taken by temporary faculty – program-wise information**

All the faculty members are permanent. There is no temporary faculty.

**14. Program-wise Student Teacher Ratio**

<i>Programme</i>	<i>Student-Teacher Ratio</i>
UG	7:1
PG Degree	1:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual</i>
<i>Academic Staff (technical)</i>	4	4	4
<i>Administrative Staff</i>	4	4	4

**16. Research thrust areas as recognized by major funding agencies**

- Ligament Reconstruction.
- Management Distal and fractures in adults.
- Subtrochanteric fractures

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Nil

**18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration**

Nil

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

Nil

**20. Research facility / centre with**

- *state recognition*
- *national recognition*
- *international recognition*

Nil

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications:**

\* **Number of papers published in peer reviewed journals (national / international):**

7

\* **Monographs:**

Nil

\* **Chapters in Books:**

Nil

\* **Books edited:**

Nil

\* **Books with ISBN with details of publishers:**

\* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):-**

\* **Citation Index – range / average: -**

\* **SNIP:-**

\* **SJR:-**

\* **Impact Factor – range / average: -**

\* **h-index: -**

**23. Details of patents and income generated**

Nil

**24. Areas of consultancy and income generated**

Consultancy (Free consultancy)

- Consultancy offered to CGHS, ECHS, & BSNL Scheme
- Guidance program for Health System Management trainees from Engineering College & SYBER Institute

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Regional	22
State level	14
Zonal	12
National	04
International	03

Two faculty members were selected by university of technology Mauritius to serve a subject experts from 2013 – 2016.

**26. Faculty serving in**

- a) National committees b) International committees c) Editorial Boards  
d) any other (specify)**

- Member of Board of study at KIMS Karad.
- Member of additional board in MJDYPU.

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

Nil

**28. Student projects**

- **percentage of students who have taken up in-house projects including inter-departmental projects:**

100%

- **percentage of students doing projects in collaboration with other universities / industry / institute :**

Nil

**29. Awards / recognitions received at the national and international level by**

- **Faculty**
- **Doctoral / post doctoral fellows**
- **Students**

03

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Workshop in upper limb fractures (16<sup>th</sup> Feb. 2014)

Department of Orthopaedic and Kolhapur Orthopaedic Association organized Live Spine Surgery Workshop on 12th Feb 17

**31. Code of ethics for research followed by the departments**

All research proposals must be cleared by institutional ethics committee formed as per guidelines of ICMR

**32. Student profile program-wise:**

<b>Name of the Program (refer to question no. 4)</b>	<b>Total number</b>	<b>Selected</b>		<b>Pass percentage</b>	
		<b>Male</b>	<b>Female</b>	<b>Male</b>	<b>Female</b>
III/II MBBS	142	96	46	Passed III/I MBBS	Passed III/I MBBS

**33. Diversity of students**

<i>Name of the Program (refer to question no. 4)</i>	<i>% of students from the same university</i>	<i>% of students from other universities within the State</i>	<i>% of students from universities outside the State</i>	<i>% of students from other countries</i>
MS Orthopedics-2016	0%	50%	50%	0%
MS Orthopedics-2015	50%	0%	50%	0%
MS Orthopedics-2014	0%	50%	50%	0%
D.Ortho.-2016	50%	50%	0%	0%
D.Ortho.-2015	50%	50%	0%	0%
D.Ortho.-2014	0%	50%	50%	0%

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.**

Nil

**35. Student progression**

<i>Student progression</i>	<i>Percentage against enrolled</i>
<i>UG to PG</i>	80-90%
<i>PG to M.Phil, DM / M Ch / DNB</i>	Nil
<i>PG to Ph.D.</i>	Nil
<i>Ph.D. to Post-Doctoral</i>	Nil
<i>Employed</i>	
• <i>Campus selection</i>	Nil
• <i>Other than campus recruitment</i>	96%
<i>Entrepreneurs</i>	Nil

**36. Diversity of staff**

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	Nil
<i>from other universities within the State</i>	81.81
<i>from universities from other States</i>	18.19
<i>from universities outside the country</i>	Nil

**37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period**

Nil

**38. Present details of departmental infrastructural facilities with regard to**

**a) Library**

Reference Books-92

No. of books for circulation-200

**b) Internet facilities for staff and students**

4 computers and 2 laptops and Wi-Fi, Internet facility available

**c) Total number of class rooms**

Total number of classrooms- one classroom & in the department 2 demo rooms, clinic room in OPD & ward, seminar room. one e-enabled classroom

**d) Class rooms with ICT facility and 'smart' class rooms**

Class room: 5 in common. One seminar hall with IG facility in dept.

**g) Students' laboratories:**

Nil

**h) Research laboratories:**

Central Research Laboratory

**39. List of doctoral, post-doctoral students and Research Associates**

**a) from the host institution/university**

Nil

**b) from other institutions/universities**

Nil

**40. Number of post graduate students getting financial assistance from the university.**

There is a provision of financial assistance from the university for PG students & Ph.D. Students if required.

**41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

- Assessment of number of patients needing specialized services was done within the hospitals in Kolhapur city.
- Estimation of the probable need in the local population was made.
- Information on availability of existing trained personnel was gathered.
- Presence of employment or work opportunities for beneficiaries of new fellowship programs under consideration were ascertained.
- Facilities and work needed for training must be available within the institution was confirmed.

**42. Does the department obtain feedback from**

**a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes, structured feedbacks are taken. The feedbacks are analyzed and feasible and valid suggestions are put up in the departmental Curriculum committee. Necessary changes are made as per Feasibility and relevance. Feedback is also taken from faculty in the Board of studies meeting and during examination.

**b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Yes, structured feedbacks are taken from staff on curriculum and teaching learning evaluation. The feedbacks are analyzed and feasible and valid suggestions are put up in the departmental curriculum committee. Necessary changes are made as per feasibility and relevance.

**c. alumni and employers on the programs offered and how does the department utilize the feedback?**

Yes, structured feedbacks are taken from Alumni and employees and analyzed and required changes made if found feasible and relevant.

**43. List the distinguished alumni of the department (maximum 10)**

1. Dr. Arjun Adnaik-Cardiologist
2. Dr. Arvind Ganpule-Robotic Urologist
3. Dr. Gurmeet Singh CVT Surgeon
4. Dr. Amit Mankal-Urologist
5. Dr. Latif Bagwan-Laposcopic Surgeon
6. Dr. Abhijit Ganpule-Haematologist
7. Dr. Santosh Nagaonkar-Uro Oncologist
8. Dr. Jignesh Gandhi-Eminent Professor
9. Dr. Aneesh Amte- Gastrologist
10. Dr. Sanjaay Desai-Cardiologist

**44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.**

Nil

**45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

UG

- Classroom Teaching With Audio Visual Aids
- Bed Side Clinic
- Tutorials
- Group Discussion
- Case Presentation
- Integrated Teaching
- Problem Based Learning
- Seminars
- One Minutes Preceptor Ship
- Quiz ( periodical) ebm

PG

- PG lecture
- Bed side clinics
- Hands on workshop & training
- Case presentation
- CME
- Problem based learning
- Journal club seminar
- Grand rounds
- Microteaching
- evidence based medicine, OSCE

**46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

Regular evaluation exercises are performed and assessed. At the end of programme students are assessed to have met outcomes with annual examination

- Both theory and practical skills are assessed.
- Departmental staff meeting conducted regularly.
- Regular teaching audits are conducted.
- Internal results are discussed with the students and after university results feedback from examiners is collected and result discussed.
- Formative Assessment: Viva Case Presentation, Written Examination.
- Problem Based learning.
- Maintaining log Books
- Feedback

**47. Highlight the participation of students and faculty in extension activities.**

- Camps Conducted By Hospital
- Tree Plantation
- Blood Donation
- Celebration of International & National Health Days
- Swachchha Bharat Abhiyan
- International Tie Up For Skill Enhancement
- NGOs For Recourse Mobilization & Assistance
- Health Checkup For Sr. Citizens
- School Health Checkup
- On fields, camp in rural & remote area with free treatment & follow up. Monthly specialist visit to village adopted and phcs.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Participation in CME, Workshop Seminar, Symposium & Conference (local & outside)
- Paper and Poster Presentation
- Research Publication
- Ortho Quiz for Post Graduate & Undergraduate every 6 months
- Basic life support demonstration are conducted for students Paramedic & Public at large, with health of department of Anesthesia
- Guidance for data compilation and retrieval for publications is offered on regular basis to medical professional in and around city
- Experimental studies are helped and organized by RICH CELL
- Workshop for skill enhancement using bone models
- The resources are utilized to notify and manage completed and rare surgical cases. The experience is shared with other institutes and professionals at monthly meeting.

**49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

NAAC has accredited the University with A Grade in April 2012

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Research Papers
- Case reports on unusual presentation or compilation aid to knowledge in the field.

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strength

- Cutting- edge/innovative surgical technology available.
- Low turnover of Clinical faculty.
- Strong critical care presence and leadership.
- Significant hospital support for new ventures.
- Established DOS quality programme.

Weakness

- No Coordination in marketing plan.
- Few clinical health Care Research Project with International Collaborations
- Communication with referring doctors not uniform.
- Lack coordinated plans to increase sub-specialty works.

Opportunity

- Institutional approach, not individual
- Salary structure/Incentive, programme focused and result oriented.
- Increased supervision of Residents.
- IT optimization in teaching & Health Care.
- Joint Physician Liaison & marketing efforts.

Challenges

- Introduction of Health insurance schemes, mandating predefined treatment protocols.
- Entry of multi- specialty hospitals, causing division of clinical material.
- Scarcity of qualified and dedicated paramedical staff.
- Industry collaborations for Research Activities and extension activities to be increase.
- Improve patient care facility for Senior Citizens.

**52. Future plans of the department.**

Short term

- International collaboration for coordinated research and technology transfer (2017-2020)

- Planning to set up separate curricular programme for advance Trauma Care (2018)
- Curriculum design on track lines of International Standards
- Innovative modules for PG & UG programmes.

Long term (10 years)

- Complex spine surgeries
- Complex Trauma Surgeries



## **Evaluative Report of the Department**

### **Otorhinolaryngology**

### Evaluative Report of the Department

**1. Name of the Department:**

Otorhinolaryngology

**2. Year of establishment:**

1990

**3. Is the Department part of a college/Faculty of the university?**

Yes, part of the college.

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

<i>Course Level</i>	<i>Courses Name</i>
UG	MBBS
PG	MS

**5. Interdisciplinary programs and departments involved**

Nil

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

**7. Details of programs discontinued, if any, with reasons**

Nil

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

Annual

UG

Two formative (1 terminal and 1 preliminary exam) and one summative (annual).

PG

Annual formative at the end of the year. One summative at the end of the course.

**9. Participation of the department in the courses offered by other departments**

Integrated teaching program: Surgery, Ophthalmology, Radiology,

Anesthesiology.

**10. Number of teaching posts sanctioned, filled and actual  
(Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	2	2
<i>Associate Professor/Reader</i>	1	1	1
<i>Assistant Professor</i>	1	1	1
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>			
<i>Senior Resident</i>	1	1	1

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>
Dr. Rajashri S. Mane	M.S. , D.O.R.L., PGDHHM	Prof & HOD	Otorhinolaryngology	22 yrs
Dr. Balasaheb Patil	M.S.	Medical Superintendent & Prof	Otorhinolaryngology	13 yrs
Dr. Anjana A. Mohite	M.S. , D.L.O.	Asso. Prof	Otorhinolaryngology	7yrs
Dr. Vasundhara P. Varute	M.S. , D.L.O.	Assi. Prof	Otorhinolaryngology	7 yrs

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

Nil

**13. Percentage of classes taken by temporary faculty – program-wise information**

0%, (No temporary faculty is allowed as per MCI norms)

**14. Program-wise Student Teacher Ratio**

<i>Programme</i>	<i>Student-Teacher Ratio</i>
UG	10:1
PG degree	1:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual</i>
<b><i>Academic Supportive Staff</i></b>			
Technician	2	2	2
Audiologist	1	1	1
Speech therapist	1	1	1
<b><i>Administrative Staff</i></b>			
Attendant	1	1	1
Steno / Storekeeper / Clerk	1	1	1
Sweeper	1	1	1

**16. Research thrust areas as recognized by major funding agencies**

Management of Rhinocerebral Mucormycosis,  
 Management of Chronic Otitis Media by Interlay Tympanoplasty  
 Role of HPV in Oral & Oropharyngeal SCC.

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Nil

**18. Inter-institutional collaborative projects and associated grants received c) National collaboration b) International collaboration**

Nil

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

Nil

**20. Research facility / centre with**

- *state recognition*
- *national recognition*
- *international recognition*

Central Research Laboratory of University is recognized by BARC, ICMR, DBI.

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications:**

\* **Number of papers published in peer reviewed journals (national / international):**

17

\* **Monographs:**

Nil

\* **Chapters in Books:**

Nil

\* **Books edited:**

Nil

\* **Books with ISBN with details of publishers:**

Nil

\* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):**

Nil

\* **Citation Index – range / average:**

Nil

\* **SNIP:**

5

\* **SJR:**

5

\* **Impact Factor – range / average:**

1-6.3

\* **h-index: -**

S. No	Article	Journal	Authors	Indexing Agency	Impact Factor
1	A Comparative Study of Fat Graft Myringoplasty	Indian Journal Applied Research , Vol 6, Issue 4, April 2016, 30-33	Dr. B C Patil Dr. R. S Mane Dr. A. A. Mohite	Copernicus	2.16
2	Assessment of Selected Physical Fitness Parameter In Malaysian Female Med. Students	IOSR-JDMS Vol.14 , Issue 6, June 2015, 08-13	Dr. S. Kulkarni Dr. V.Kanase Dr. N. Kanase Dr. V. Varute	Copernicus	3.03
3	Perforative Peritonitis: A Study Of 100 Cases In Rural Area	IJHSR- Vol 5 , Issue 7, June 2015, 101-105	Dr. P. Varute Dr. S. Kulkarni Dr. V. Varute Dr. V.Kanase	Copernicus	3.62
4	A Study Penetrating Trauma to Abdomen In Rural Areas	IJMDS-Vol 4, Issue 52, Pg 9006-9010	Dr. S. Kulkarni Dr. V.Kanase Dr. N Kanase Dr. V. Varute	Copernicus	3.25

S. No	Article	Journal	Authors	Indexing Agency	Impact Factor
5	A Study of Benign Lesion of Vocal Cords	International Journal Of Recent Trends In Science & Technology,- 16(3),Oct 2015:Page 527-529	Dr. B.C Patil	Copernicus	6.3
6	Efficacy of Direct Laryngeal Manipulation In The Treatment of Puberphonia; A Prospective Clinical Study at Tertiary Care Center.	Med Pulse – International Medical Journal Oct 2015; Pages 1-4 .	Dr. A. A. Mohite	COPERNICUS	3.15
7	Prevalence of Ear Disease in Children Of Rural Area in India	International Journal Of Recent Trends In Science & Technology,- 16(3),Oct 2015:Page 530-532	Dr. V. P. Varute Dr . P. A. Varute	COPERNICUS	3.15
8	A Study Of Chronic Allergy Rhinitis In Rural Area & Its Management By Cryosurgery	International Journal Of Recent Trends In Science & Technology,- 16(3),Sept 2015:Page 366-370	Dr.V. P. Varute Dr. P. A. Varute Dr. R. More Dr. P. Patil	COPERNICUS	3.15
9.	A Comparative Study Of Temporalis Fascia & Fascia Lata Graft In Type 1 Tympanoplasty	International Journal Of Recent Trends In Science & Technology (accepted)	Dr. A. A. Mohite Dr. R. S. Mane Dr. J. K. Watve Dr. B.C. Patil	COPERNICUS	3.15
10.	A Family With Heimler's Syndrome: Fifth Case Report In The World Literature	International Journal Of Recent Trends In Science & Technology ( Accepted)	Dr. A. A. Mohite Dr. N.D. Patil Dr. R.V.Ranade	COPERNICUS	3.15
11.	Maxillary Ameloblastoma	Mjdypu, Vol Ix, Issue1,Sept 2015, Pg; 63-67	Dr. R. S. Mane Dr. B.C. Patil Dr. A. A. Mohite	Proquest Medical Library	-
12.	Outcome of Interplay Grafting In Type 1 Tymploplasty For Large Central Perforation	Indian Journal Of Otolaryngology And Head & Neck Surgery Vol: 66 , Issue 4 (Oct-Dec 2014), Page 418-424	Dr. B.C. Patil Dr. P.Misale Dr. R.S. Mane Dr. A. A. Mohite	Pubmed, Pubmed Central, Scopus, Google Scholar, Ebsco,Cab,Academic Search, Cab Abstract	1.019
13.	Septoplasty With And Without Nasal Packing And Review Of Literature	Indian Journal Of Otolaryngology And Head & Neck Surgery Vol: 66, Issue 4, (August 2013), 406-408	Dr. R. S. Mane Dr. B. C. Patil Dr. A.A.Mohite	Pubmed, Pubmed Central, Scopus, Google Scholar, Ebsco,Cab,Academic Search, Cab Abstract	1.019

S. No	Article	Journal	Authors	Indexing Agency	Impact Factor
14.	Rare Presentation Of Pigmented Variety Of Basal Carcinoma In External Auditory Canal	Mjdypu, Vol Ix, Issue 4, Sept 2012	Dr. B.C.Patil Dr. R.S. Mane Dr. A. A. Mohite	Proquest Medical Library	-
15.	Mucormycosis Presenting As Oro Antral Fistula	Aijcr, Sept – Dec 2012; 5(3) , 135 -137	Dr. R.S. Mane Dr. B.C .Patil Dr. A.A.Mohite	Copernicus Proquest ,Embase, Genomics, Scopus, Ulrichs Web	3.8

**23. Details of patents and income generated**

Nil

**24. Areas of consultancy and income generated**

Nil

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Nil

**26. Faculty serving in**

**a) National committees:**

Nil

**b) International committees :**

Nil

**c) Editorial Boards:**

Member of editorial board of MJDYPU

**d) any other (specify):**

All teaching faculties are member of AU India.

Association of Otolaryngologist

Indian Society of Otolaryngology

Indian Society of Rhinology

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

Down town ENT Clinical meeting with local ENT practitioners Monthly Clinical meeting.

Attending Conferences, CMEs, Surgical Workshops, MET Research methodology workshop.

All the faculty members of the department have attended Medical Education Technology workshop (Basic Course) approved by MUHS.

Regular Workshops, Conferences & Seminars organized and conducted

by the department as follows

- Live Otology Workshop, Jan-2012.
- CME on Sialendoscopy, Jun-2012.
- Live Rhinoplasty Workshop, Sept-2012.
- Live Surgical Workshop On Sleep Apnoea, Sleepkol 2014.
- Live Surgical Workshop On Endoscopic Sinus Surgery, Rhinokol, October 2015.
- Maharashtra State Annual ENT Conference MENTCON - 2016 held on 16<sup>th</sup>, 17<sup>th</sup> & 18<sup>th</sup> December 2016

#### **28. Student projects**

- *percentage of students who have taken up in-house projects including inter-departmental projects*

100 % students are doing in- house projects

- *percentage of students doing projects in collaboration with other universities / industry / institute*

Nil

#### **29. Awards / recognitions received at the national and international level by Faculty**

- Invited Talk in National conference AOICON 2017 – Dr. Rajashri Mane.
- Chair person in MENTCON 2016 – Dr. R. S. Mane
- Chair person in MENTCON 2016 –Dr. A. A. Mohite
- Chairperson in MENTCON 2016 – Dr. V. P. Varute
- Gold medal for best paper presentation in ISOCON 2014 - Dr. B. C. Patil
- Best video presentation, MENTCON Pune, 2013- Dr. B.C. Patil
- Dr. A.R. Bhide award-second prize for best paper presentation in MENTCON 2012 - Dr. B. C. Patil
- Dr. R.S. Mane – PG Diploma in health and Hospital Management

#### **Doctoral / post doctoral fellows**

##### **Students**

- Best paper award 2nd prize in MENTCON 2016-Dr. Sombit
- Best poster presentation in COURT 2015 - Dr. Satpinder
- Best paper presentation in COURT 2015 - Dr. Ramyashree
- Best paper presentation in COURT 2014 - Dr. Priyanka Misal.
- Best poster presentation in National conference on Electrophysiology and Neurology trends, 2014 - Dr. Priyanka Misal
- Jalgaon MENTCON PG award for best paper presentation in MENTCON 2012 -Dr. Priyanka Misal

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Sr.no.	Date	Name Of Conference/Workshop/ Seminar	Funding Agency	Name of Faculty
1	21 <sup>st</sup> & 22 <sup>nd</sup> January, 2012	Live Otology Workshop	University, AOI	Dr. Vijayendra (Professor And Eminent Otologist, Bangalore) Dr. R. S. Mane
2	June-12	Operative Sialendoscopy Workshop	AOI, University	Dr. Shirish Ghan
3	15 <sup>th</sup> & 16 <sup>th</sup> September, 2012	Live Surgical Workshop On Rhinoplasty	University, AOI	Dr. Virendra Ghaisas Dr. R. S. Mane
4	27 <sup>th</sup> October, 2012	Cochlear Implant Awareness Programme	University, AOI	Dr. Milind Navlakhe Mrs. Pushpanjali Guraval Mr. Gaurav Patil Dr. Rajashri Mane
5	15 <sup>th</sup> & 16 <sup>th</sup> December, 2012	National Workshop On Hands On Cadaveric Dissection Of Functional Endoscopic Sinus Surgery	University, AOI, MCI	Dr. Milind Navlakhe Dr. R S Mudhol Dr. Shishir Gosavi Dr. R S Mane Dr. Maitreyee Kaushikh Dr. Wilson Desai
6	28 <sup>th</sup> September, 2014	Live Surgical Workshop On Sleep Apnoea- Sleepkol	University, AOI	Dr. Seemab Shaikh Dr. Rajashri Mane
7	18 <sup>th</sup> October, 2015	Live Surgical Workshop On Endoscopic – Sinus Surgery - Rhinokol	University, AOI	Dr. Satish Jain
8	16 <sup>th</sup> – 18 <sup>th</sup> December, 2016	Maharashtra State Annual ENT Conference MENTCON-2016	Industry, University, AOI	Dr. Vijayendra Dr. Janakiram Dr. Prepageran

**31. Code of ethics for research followed by the departments**

- The research projects are cleared by institutional ethics committee. It is registered under DCGI New Delhi.
- All research is conducted as per the GCP-ICH guidelines and the IEC recommendations.

**32. Student profile program-wise:**

Name of the Program (refer to question no. 4)	Total number	Selected		Pass percentage	
		Male	Female	Male	Female
III/I MBBS	131	88	43	Passed II MBBS	Passed II MBBS

**33. Diversity of students**

<i>Name of the Program (refer to question no. 4)</i>	<i>% of students from the same university</i>	<i>% of students from other universities within the State</i>	<i>% of students from universities outside the State</i>	<i>% of students from other countries</i>
MS ENT 2016	0%	100%	0%	0%
MS ENT 2015	0%	0%	100%	0%
MS ENT 2014	100%	0%	0%	0%

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.**

Nil

**35. Student progression**

<i>Student progression</i>	<i>Percentage against enrolled</i>
<i>UG to PG</i>	(2out of 10) 20%
<i>PG to M.Phil, DM / M Ch / DNB</i>	1
<i>PG to Ph.D.</i>	Nil
<i>Ph.D. to Post-Doctoral</i>	Nil
<i>Employed</i>	
• <i>Campus selection</i>	0%
• <i>Other than campus recruitment</i>	10%
• <i>Entrepreneurs</i>	90%

**36. Diversity of staff**

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	25%
<i>from other universities within the State</i>	75%
<i>from universities from other States</i>	0%
<i>from universities outside the country</i>	0%

**37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period**

Nil

**38. Present details of departmental infrastructural facilities with regard to**

**a) Library :**

No of books titles-145,  
e-journals and e books

**b) Internet facilities for staff and students**

15 nodes

**c) Total number of class rooms**

06 Lecture theatre

**d) Class rooms with ICT facility and 'smart' class rooms**

04

**e) Students' laboratories**

02

**f) Research laboratories**

01

**39. List of doctoral, post-doctoral students and Research Associates**

**a) from the host institution/university :**

Nil

**b) from other institutions/universities :**

Nil

**40. Number of post graduate students getting financial assistance from the university.**

3

**41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

Yes.

Methodology:

- Assessment of number of patients needing specialized services or knowledge in the respective departments was done within the hospital.
- Estimation of the probable need in the local population was made.
- Information on availability of existing trained personnel was gathered.
- Presence of employment or work opportunities for beneficiaries of new fellowship programs under consideration was ascertained.
- Facilities and work needed for training must be available within the institution was confirmed.

**42. Does the department obtain feedback from**

**a. faculty on curriculum as well as teaching-learning-evaluation? If**

***yes, how does the department utilize the feedback?***

Yes

- Structured Feedbacks are taken.
- The feedback is analyzed and feasible and valid suggestions are put up in the department curriculum committee.
- Necessary changes are made as per feasibility and relevance.

***b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?***

Yes

- Structured Feedbacks Are Taken On Staff, Curriculum and Teaching –Learning-Evaluation.
- The Feedbacks Are Analyzed And Feasible And Valid Suggestions Are Put Up In The Departmental Curriculum Committee.
- Necessary Changes Are Made As Per Feasibility And Relevance.

***c. alumni and employers on the programs offered and how does the department utilize the feedback?***

Yes

- Structured Feedbacks Are Taken From Alumni And Analyzed And Required Changes Made If Found Feasible And Relevant.

***43. List the distinguished alumni of the department (maximum 10)***

<b>Sr No</b>	<b>Year</b>	<b>Name of PG Students</b>	<b>Institute</b>	<b>Designation</b>
1.	2012	Dr. Shahinaz	Government Hospital, Qatar	Assi. Professor
2.	2013	Dr. Harshkumar	Popular Nursing Home, Ranchi. Asso. Doctor, Orchid Medical Centre.	Owner
3.	2014	Dr. Priyanka Misale	Fellowship In Neurotology (Audio Vestibular Diseases), CMC, Vellore.	Fellowship, 2 <sup>nd</sup> Year.
4.	2016	Dr. Chaitanya Sai	Government Hospital Telangana	Assi. Professor

**44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.**

- Guidance for data compilation and retrieval for publications is offered on regular basis to medical professionals in and around the city.
- Experimental studies are helped and organized at RICH CELL.
- Workshops for skill enhancement using cadaveric organs and parts.
- Quiz competitions and debates organization on various surgical topics.
- The resources are utilized to notify and manage complicated and rare surgical cases. The experience is shared with other institutes and professionals at monthly meetings.
- Poster sessions and Podium presentations are organized for PG students.
- Involving External experts during thesis Review and for case presentation.
- Mock examination: Pre-examination CME amongst the contemporary Group of students from other institutions alongwith external and internal Subject experts.
- Lectures on Yoga.
- Lectures on spiritual courses.

**45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

**UG**

Lectures  
Clinics  
Practical  
Audiovisual Demonstration  
Endoscopic Demonstration  
e-Learning  
Integrated Teaching One Minute Preceptor.

**PG**

Power Point Presentation  
Journals  
Seminars  
Case Presentation  
Case Based Learning  
Use of PPTS, OSCES, OSPE  
Audiovisual Classes, Group Discussions

**46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

Knowledge:

- Regularly conducted structured teaching program ensures that all updated knowledge required by the students is delivered to them.
- Regular updating of the curriculum ensures continuous quality control.
- Regular CMEs, workshops, Guest lectures ensure that students are in touch with the recent advances in the field.
- Participation in research projects both as a part of mandatory thesis and faculty projects is used to train students in this field.
- Identification of slow learners and addressing slow learners.

Skills:

- Regular Bedside teaching during daily rounds, grand rounds, case presentations, case discussions is done
- Clinical Skills Lab is used to train students in necessary skills.
- Procedures & surgeries are demonstrated and later supervised to give students confidence and independence.

Attitude:

- Emphasis on communication skills is done by all faculty during rounds and clinical teaching.
- Role playing for patient related issues such as breaking bad news is done.
- Role modeling by faculty contributes to this area.
- Empathy towards patients and relatives is conveyed to students through words, teaching and example.

Monitoring Learning Outcomes

- Assessments are regularly conducted in a fair and transparent manner
- Attendance of students is monitored to see its impact on assessment results.
- Formative assessments help to understand the pace of student learning.
- Discussions during teaching-learning sessions help to assess the

students.

- Regular monitoring of thesis, presentations, seminars and journal discussions by students helps the faculty to guide students based on their current understanding.
- Maintenance of logbooks.
- Feedback from the Students and Faculty.

***47. Highlight the participation of students and faculty in extension activities.***

Participation of faculty & students in extension activities:

- Periodic Health check up Camps in around Kolhapur, conducted by the hospital.
- Periodic Camps in Deaf & Mute schools in and around Kolhapur where both students & Staff Participate.
- Tree Plantation
- Blood Donation
- Celebration of International/National Health days
- Swachcchha Bharat Abhiyaan

***48. Give details of “beyond syllabus scholarly activities” of the department.***

- Seminar by the students for the students.
- Participation in CME.
- Participation in quiz.
- Celebration of various health days.
- Campaign on University Research and Training-COURT.
- Regular participation at the local chapter of the Association of Otolaryngologist of India by faculty and Students.

***49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.***

ISO is planned.

***50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.***

- The contribution of the department in generating new knowledge is through research and research publications.

- The department is doing research on developing a protocol for treatment of Rhinocerebral Mucormycosis.
- Research on treatment of chronic otitis media by Interlay Tympanoplasty.
- Temporal Bone Dissection lab

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strengths

- Innovative surgical technology available.
- Low turnover of clinical faculty.
- Strong (and expanding) surgical critical care presence and leadership.
- Significant hospital support for new ventures.
- Established DOS quality programme.
- Research on Rhinocerebral Mucormycosis

Weaknesses

- No coordinated marketing plan.
- Few clinical health care research projects with international collaboration.
- Coordinated and efficient use of mid-level faculty.
- Lack coordinated plans to increase some subspecialty work.

Opportunity.

- Institutional approach, not individual.
- Increased supervision of residents.
- I.T. optimization in teaching as well as health care.
- Joint physician liaison and marketing efforts.

Challenges:

- Mandating predefined treatment protocols.
- Entry of multispecialty hospitals, causing division of clinical material.
- Scarcity of qualified and dedicated paramedical staff.
- Industry collaborations for research activities and extension activities to be increased.

- Improve patient care facilities for Senior Citizens and differently-abled persons.

**52. *Future plans of the department.***

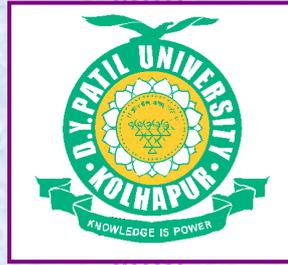
Short Term (Within 5 Years):

- Fellowship Course in FESS
- Fellowship Course in Micro EAR Surgery.
- To Start Voice disorder clinic -Voice Analysis spectrography.
- To conduct more faculty development programs like Cadaveric Dissection workshop in Otology and Sinus endoscopy every year.
- To start Cochlear Implant programme

Long Term Plans (10 years):

- Increase intake of Postgraduates
- Establishment of other Superspecialty departments like Neurotology.
- Establish a Superspecialty Care Center for improved patient care for Head & Neck cancer patient.

Create a virtual interactive platform to facilitate teaching-learning for postgraduate and undergraduate students.



## **Evaluative Report of the Department**

# **Ophthalmology**

## Evaluative Report of the Department

**1. Name of the Department**

Ophthalmology.

**2. Year of establishment**

1990

**3. Is the Department part of a college/Faculty of the university?**

Yes. The Department is part of the College.

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

Course Level	Course Name
U.G.	M.B.B.S
P.G.	M.S

**5. Interdisciplinary programs and departments involved**

Nil

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

**7. Details of programs discontinued, if any, with reasons**

Nil

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

UG

Formative internal assessments are taken in 6<sup>th</sup> semester. In 7<sup>th</sup> Semester Preliminary examination taken.

Summative: Final examination is taken at the end of 7<sup>th</sup> Term.

PG

Formative: Internal assessments are taken at end of first & second Year. Preliminary examination in third year.

Summative: Final examination taken at end of 36 months.

**9. Participation of the department in the courses offered by other departments**

Nil

**10. Number of teaching posts sanctioned, filled and actual  
(Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	1	1
<i>Associate Professor/Reader</i>	1	1	1
<i>Assistant Professor</i>	1	2	2
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>	-	-	-
<i>Senior Resident</i>	1	1	1

**11. Faculty profile with name, qualification, designation, area of  
specialization, experience and research under guidance**

<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>
Dr. Sabnis M. M	M.S. Ophthalmology	Professor & HOD	Ophthalmology	28
Dr. Dindore Pradeep	M.S. Ophthalmology	Associate Professor	Ophthalmology	12
Dr. Khare Chintamani M.	M.S. Ophthalmology	Assistant Professor	Ophthalmology	6
Dr. Shilpa Patil	M.S. Ophthalmology	Assistant Professor	Ophthalmology	5

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

<i>Sr. No.</i>	<i>Name</i>	<i>Whether Visiting Fellows, adjunct faculty, emeritus professors</i>

Nil

**13. Percentage of classes taken by temporary faculty – program-wise  
information**

No temporary faculty for both UG & PG programmes.

**14. Program-wise Student Teacher Ratio**

<i>Programme</i>	<i>Student-Teacher Ratio</i>
UG	20:1
PG	1:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual</i>
<i>Academic Staff (technical)</i>	3	3	3
<i>Administrative Staff</i>	3	3	3

**16. Research thrust areas as recognized by major funding agencies**

- ROP – Retinopathy of pre-maturity (Funded by D Y Patil University in 2010)
- Diabetic Retinopathy. (Funding under process by D. Y. Patil University, Kolhapur.)

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Nil

**18. Inter-institutional collaborative projects and associated grants received  
d) National collaboration b) International collaboration**

Nil

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

1, ROP – Retinopathy of pre maturity (Project Sanctioned by D Y Patil University in 2010)

**20. Research facility / centre with**

- *state recognition*
- *national recognition*
- *international recognition*

Central Research laboratory of University is recognized by BARC. ICMR,DST,DBT.

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications:**

\* *Number of papers published in peer reviewed journals (national / international):*

13

\* *Monographs:*

Nil

\* *Chapters in Books:*

Nil

\* *Books edited:*

Nil

\* *Books with ISBN with details of publishers:*

Nil

\* *Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):*

Nil

\* *Citation Index – range / average:*

\* *SNIP:*

Nil

\* *SJR:*

Nil

\* *Impact Factor – range / average:*

0 to 3.919

\* *h-index:*

Nil

**23. Details of patents and income generated**

Nil

**24. Areas of consultancy and income generated**

- Consultancy with food industries regards hazardous level of dimness of vision of their workers handling food products.
- Consultancy with Chetna & Sawli ( School for mentally retarded & Old Age Homes) for regular ophthalmic checkups of admissions to avoid their blindness & help Care takers to do their job with ease. No income generated.
- Consultancy with industry staff & workers to detect gross ocular morbidity & color blindness defect as safety measure.

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Nil

**26. Faculty serving in**

- a) National committees b) International committees c) Editorial Boards  
d) any other (specify)**

- Dr. M. M. Sabnis is President of District Society for last 3 years.
- Dr. M. M. Sabnis worked as Chairperson/Co-chair in last 3 yrs State Conferences at Navi Mumbai, Goa & Pune.
- Dr. Dindore was Treasurer of Kolhapur District Ophthalmic Society in 2012-2013.

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

- Dr. Pradeep Dindore – Refractive Surgery Training at Ahemedabad 3 days in 2012.

**28. Student projects**

- **percentage of students who have taken up in-house projects including inter-departmental projects**
- **percentage of students doing projects in collaboration with other universities / industry / institute**
  - UG- nil
  - PG- 100% students are doing In-house projects.

**29. Awards / recognitions received at the national and international level by**

- **Faculty**  
Nil
- **Doctoral / post doctoral fellows**  
Nil
- **Students**  
Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- Web Seminars organized on Dry Eye, Diabetic Retinopathy were Conducted in Department in 2014 & 2015.
- Workshop on Hands on Training for faculty & PG students held 4 faculty members & 10 PG students from 3 medical colleges Participated & benifitted.

**31. Code of ethics for research followed by the departments**

All projects get ethical committee & research protocol committee clearance. All research is conducted as per the GCP-ICH guidelines & the IEC recommendations.

**32. Student profile program-wise:**

<i>Name of the Program (refer to question no. 4)</i>	<i>Applications received</i>	<i>Selected</i>		<i>Pass percentage</i>	
		<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>
III/I MBBS	131	88	43	Passed II MBBS	Passed II MBBS

**33. Diversity of students**

<i>Name of the Program (refer to question no. 4)</i>	<i>% of students from the same university</i>	<i>% of students from other universities within the State</i>	<i>% of students from universities outside the State</i>	<i>% of students from other countries</i>
MS Ophthalmology 2016	50%	50%	0%	0%
MS Ophthalmology 2015	50%	50%	0%	0%
MS Ophthalmology 2014	50%	50%	0%	0%

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.**

3 PG students cleared International Congress of Ophthalmology competitive exam part I (Basic Sciences).

**35. Student progression**

<i>Student progression</i>	<i>Percentage against enrolled</i>
<i>UG to PG</i>	80-90%
<i>PG to M.Phil, DM / M Ch / DNB</i>	Not applicable
<i>PG to Ph.D.</i>	0%
<i>Ph.D. to Post-Doctoral</i>	Not applicable
<i>Employed</i>	0%
<ul style="list-style-type: none"> <li>• <i>Campus selection</i></li> <li>• <i>Other than campus recruitment</i></li> </ul>	Approx 15%
<i>Entrepreneurs</i>	85%

**36. Diversity of staff**

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	0%
<i>from other universities within the State</i>	100%
<i>from universities from other States</i>	0%
<i>from universities outside the country</i>	0%

**37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period**

Nil

**38. Present details of departmental infrastructural facilities with regard to****a) Library**

199- Books. Journals: Indian – 4+E (2) & Foreign 3+(12)  
e-Books-50, 25- CDs & Videos.

**b) Internet facilities for staff and students**

available 15 Nodes

**c) Total number of class rooms**

6

**d) Class rooms with ICT facility and 'smart' class rooms**

1

**e) Students' laboratories**

1 in ward

**f) Research laboratories**

- Central Research Cell
- Diabetes Research Centre.

**39. List of doctoral, post-doctoral students and Research Associates****a) from the host institution/university****b) from other institutions/universities**

Nil

**40. Number of post graduate students getting financial assistance from the university.**

2

**41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

No new programme added

**42. Does the department obtain feedback from****a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

The feedbacks received from faculty results are drawn & after discussing in detail, them in departmental meetings they are applied in stepwise manner

**b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

The feedbacks received from students results are drawn & after discussing in detail, in departmental meetings they are applied in stepwise manner.

**c. alumni and employers on the programs offered and how does the department utilize the feedback?**

Feedback from Alumni also results drawn & discussed in departmental meetings & implemented taking MCI rules into consideration.

**43. List the distinguished alumni of the department (maximum 10)**

Name of Alumini	Admission Year	Present Status
Dr. A Dhavle	2007	Associate Prof,GMC,Kop
Dr. Asav Patel	2008	-
Dr. Vibhor Gupta	2009	-
Dr. Shama Shaligram	2010	-
Dr. Vaibhav Pednekar	2011	Eye Bank Fellowship (Delhi)
Dr. Priyanka Shinde	2012	-
Dr. Mohak Joshi	2013	-
Dr. Sanvedya Kadam	2013	Senior Res. BVDU, Sangali

**44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.**

- State conference presentations of KOS Faculty (external experts) Presentations are made as rehearsal in our conference Hall (Dr. Mahesh Dalvi. Dr. Odeyar. Dr. Sanjay Rasal).
- Web cast on Dry eye, Diabetic retinopathy arranged in OPD with interactive sessions at end .
- Hands on training on Phaco machine arranged at skill lab with Help of Abbot Lab. Using model eyes.(Basic training model) 12 students from 3 colleges were enrolled & benefitted.

**45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

UG

- Didactic Lectures
- T/S/D
- Bedside Clinics
- OSCE
- OSPE
- Power Point Presentations.
- Surgical Videos

PG

- Lectures
- Seminars
- Demonstrations
- Journal Reading
- Group Discussions
- Guest Lectures
- Wet Lab/Skill Lab tr.

**46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

Knowledge:

- Delivering knowledge through structured teaching programme.
- Updating the curriculum after taking external experts advise to maintain quality.
- To gain recent advances knowledge Guest lecture, CMEs.
- Thesis presentation as research paper in third year of PG training.

Skills:

- Clinical posting includes case presentations, demonstrations, operation theatre exposure to watch live surgeries.
- Skill transfer in laboratory to attain certain skills necessary to students.
- Demonstrating procedures & in stepwise manner they do it independently.

Attitude:

- Communication skills are taught during rounds & postings.
- Doctor Patient relationship develops by Roll modeling of faculty.
- Informed consent & Councelling – Teaching. Examples.

Monitoring learning Outcomes:

- Assessments are done regularly in fair manner.
- Monitoring of attendance in lectures & Clinical Posting & its impact on result & acquiring knowledge is seen.
- Formative assessment of UG & PG students help to know the pace of student at that time.
- Regular discussions on cases, at seminars, interaction in CMEs Help them to gain recent knowledge.
- Log Books.
- Feedback taken from students.

**47. Highlight the participation of students and faculty in extension activities.**

- Outreach Diagnostic camps.
- Celebration of World eye donation Day(11 Jan). In Sept Eye donation awareness fortnight & in Nov. World Diabetes day.
- Public awareness through news papers in prevention of eye injuries during Colour festival & diwali (Fire crack injuries).

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- COURT.
- PG- Attend Comprehensive Course of 1 week at LVPEI, Hyderabad.
- District(KOS) Societies- CMEs (14) all are attended by faculty & PG students
- Dr. Dindore presented paper on Ocular TB in otherwise healthy individual at state conference in Mahableshwar in Oct 2012.
- Dr. Aditi Sinha PG student presented paper on Study of incidence of complications & its management in Manual SICS in cases of cataract with pseudoexfoliation at Pune in Dec 2016.
- Faculty attended all state conferences since 2012.
- Quiz competitions arranged by pharma companies.(PG)
- Dr. Shama Shaligram presented a paper on Sutureless Autograft.
- In Pterygium surgery at State conference in 2012 at Mahableshwar.
- University Moral Guidance Scheme-2 activities conducted semester-wise on Recent Advances & How to face final examination.

**49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

NAAC has accredited the University with A Grade in April 2012

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Publication of papers
- Paper or Poster presentation in conferences.
- Research Projects.

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strengths:

- Devoted, Experienced Faculty.
- Structured teaching programmes are regularly monitored .
- Good clinical exposure due to variety of clinical material.
- Outreach programmes strengthen the clinical acumen of PGs.
- Research in all subspecialities at every point & continued like Retinopathy of pre maturity.
- Department helps in National Programme(NPCB).

Weaknesses:

- No Patents.
- International publications are lacking.
- Superspeciality departments not fully developed.
- In Infrastructure Paperless OPD records.
- Advanced investigative facilities like OCT.

Opportunities:

- Increase in PG seats.
- Setting up Surgical Retina Facility.
- Starting Fellowships in anterior Segment.
- Short term training courses in SICS, Phacoemulsification.
- Strengthening outreach programmes Diagnostically & Surgically.

Challenges:

- Surgical training on Simulators
- Collaboration on frontier research at national/international level

- International Publications in peer reviewed journals
- 100% PGs to get enrolled for Superspeciality
- Standard care to be developed so that postoperative infections are 0%.

**52. *Future plans of the department.***

Short Term 05 Years      Long Term 05 Years

- Comprehensive Diabetic care centre (RICH Cell)- 2018
- Vitreo-Retinal surgery Unit-2018
- Paediatric Ophthalmology centre-2020
- Community approach thro updated health sub centers under University.
- Well equipped (for Tele medicine-Ret Cam) to strengthen ROP screening & management of treatable Retinopathy of pre maturity with LASERS/Surgery- 2021 Dec.
- Innovating an Instrument & Getting it Patented.



## **Evaluative Report of the Department**

# **Radio-Diagnosis**

## Evaluative Report of the Department

**1. Name of the Department**

Radio-Diagnosis

**2. Year of establishment**

1990

**3. Is the Department part of a college/Faculty of the university?**

Yes. Part of the College.

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

MD Radiodiagnosis

**5. Interdisciplinary programs and departments involved**

Yes with department of medical physics (Ph.D.)

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

None

**7. Details of programs discontinued, if any, with reasons**

None

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

PG:-

Formative: Internal assessments are taken at end of every year and preliminary exam is also taken

Summative: Final examination is taken at end of 36 months

**9. Participation of the department in the courses offered by other departments**

Participation of faculty from Department of Radiodiagnosis is present in the training programs of departments of:

4. Medicine

5. Surgery

6. Obst & Gyn.

7. Orthopedics

8. Paediatrics

**10. Number of teaching posts sanctioned, filled and actual  
(Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	3	3	3
<i>Associate Professor/Reader</i>	1	1	1
<i>Assistant Professor</i>	3	3	3
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>			
<i>Senior Resident</i>			

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

<i>Sn</i>	<i>Name</i>	<i>Qualifications</i>	<i>Designation</i>	<i>Specialization</i>	<i>Years of experience</i>
1	Dr. Nitin Wadhvani	MD,DNB, FRCR	Prof & HOD	Yes	22 Yr / 7 M
2	Dr. Niranjan Patil	MD	Professor	Yes	19 Yr / 8 M
3	Dr. Pradip Patil	MD	Professor	Yes	15 Yr / 5 M
4	Dr. Jeetendra Patil	MD, DNB	Asso. Professor	Yes	17 Yr / 4 M
5	Dr. Dilip Shah	MD	Asst. Professor		8 Yr / 4 M
6	Dr. Prithviraj Jadhav	MD	Asst. Professor		7 Yr / 2 M
7	Dr. Sachin Babanagar	DNB	Asst. Professor		7 Yr / 11 M

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

Visiting Fellows: Dr. Anil Bhaya, Dr. Nikit Mehta, Dr. Abhijeet Magdum, Dr. Santosh Sardokar

**13. Percentage of classes taken by temporary faculty – program-wise information**

0%, there is no temporary faculty

**14. Program-wise Student Teacher Ratio**

<i>Programme</i>	<i>Student-Teacher Ratio</i>
MBBS	12:1
MD	2:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual</i>
<i>Academic Staff (technical)</i>	20	20	20
<i>Administrative Staff</i>	5	5	5

**16. Research thrust areas as recognized by major funding agencies**

None

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

None

**18. Inter-institutional collaborative projects and associated grants received c) National collaboration b) International collaboration**

None

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

None

**20. Research facility / centre with**

- *state recognition*
- *national recognition*
- *international recognition*

Central Research Laboratory of University is recognized by BARC, ICMR, DST, DBT.

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

None

**22. Publications:**

- \* *Number of papers published in peer reviewed journals (national / international):*

11 (10 national, 1 International)

- \* *Monographs:*

None

- \* *Chapters in Books:*

None

- \* *Books edited:*

None

\* **Books with ISBN with details of publishers:**

None

\* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):**

None

\* **Citation Index – range / average:**

None

\* **SNIP:**

None

\* **SJR:**

None

\* **Impact Factor – range / average:**

None

\* **h-index:**

None

**23. Details of patents and income generated**

Nil

**24. Areas of consultancy and income generated**

Nil

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Nil

**26. Faculty serving in**

**a) National committees b) International committees c) Editorial Boards  
d) any other (specify)**

Dr. Nitin Wadhvani,	Expert on interview board to assist the commission in selecting candidates for post of Assistant professors for Govt. Medical College, Goa.
Dr. Nitin Wadhvani	Member editorial board, MJDYP
Dr. Nitin Wadhvani	Executive member of (DMRIA)
Dr. Niranjan Patil	Executive member of (DMRIA)
Dr. Niranjan Patil	Executive member of (DMRIA)
Dr. Pradip Patil	Executive member of (DMRIA)
Dr. Jeetendra Patil	Executive member of (DMRIA)
Dr. Dilip Shah	Executive member of (DMRIA)
Dr. Prithviraj Jadhav	Secretary of (DMRIA) 2016-17
Dr. Sachin Babanagar	Executive member of (DMRIA)

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

- Medical education training of all faculty member by MEU.
- Attendance of conferences, workshops etc as per the list attached.

**28. Student projects**

- *percentage of students who have taken up in-house projects including inter-departmental projects*
- *percentage of students doing projects in collaboration with other universities / industry / institute*

None

**29. Awards / recognitions received at the national and international level by**

- *Faculty*
- *Doctoral / post doctoral fellows*
- *Students*

Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- Radiological imaging and advances IRIA CME Kolhapur 25-26 - AUG-2012
- Anatomy and Radiology of the lower limb (Work shop) 17/11/2016.
- Fetal cardiac imaging and Echo (Work shop)18 Sep 2016.

**31. Code of ethics for research followed by the departments**

- All research is approved by the INSTITUTIONAL ETHICS COMMITTEE (IEC) before commencement.
- All research is conducted as per the GCP-ICH guidelines and the IEC recommendations.

**32. Student profile program-wise:**

<i>Name of the Program (refer to question no. 4)</i>	<i>Applications received</i>	<i>Selected</i>		<i>Pass percentage</i>	
		<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>
III/II MBBS	142	96	46	Passed III/I MBBS	Passed III/I MBBS

**33. Diversity of students**

<i>Name of the Program (refer to question no. 4)</i>	<i>% of students from the same university</i>	<i>% of students from other universities within the State</i>	<i>% of students from universities outside the State</i>	<i>% of students from other countries</i>
MD Radiodiagnosis 2016	100%	0%	0%	0%
MD Radiodiagnosis 2015	0%	50%	0%	50%
MD Radiodiagnosis 2014	0%	100%	0%	0%

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.**

Nil

**35. Student progression**

<i>Student progression</i>	<i>Percentage against enrolled</i>
<i>UG to PG</i>	
<i>PG to M.Phil, DM / M Ch / DNB</i>	Not applicable
<i>PG to Ph.D.</i>	Not applicable
<i>Ph.D. to Post-Doctoral</i>	Not applicable
<i>Employed</i>	
<ul style="list-style-type: none"> <li>• <i>Campus selection</i></li> <li>• <i>Other than campus recruitment</i></li> </ul>	N.A. 10 %
<i>Entrepreneurs</i>	90 %

**36. Diversity of staff**

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	0
<i>from other universities within the State</i>	85.8%
<i>from universities from other States</i>	14.2
<i>from universities outside the country</i>	0

**37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period**

None

**38. Present details of departmental infrastructural facilities with regard to a) Library**

- Text Books-215
- Journal – National-04
- Journal –International-06

**Digital Library:**

- 3 Computer terminals
- Internet connectivity of all 3 terminals
- Subscription of online journal search engine available.

**b) Internet facilities for staff and students**

Yes (7)

**c) Total number of class rooms**

6

**d) Class rooms with ICT facility and 'smart' class rooms**

Yes ICT-enabled classes-4

**e) Students' laboratories**

Yes

**f) Research laboratories**

Yes (Central Research lab, museum)

**39. List of doctoral, post-doctoral students and Research Associates**

**a) from the host institution/university**

12

**b) from other institutions/universities**

None

**40. Number of post graduate students getting financial assistance from the university.**

2

**41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

None

**42. Does the department obtain feedback from**

**a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Department Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner.
- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.

***b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?***

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Department Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner.
- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.

***c. alumni and employers on the programs offered and how does the department utilize the feedback?***

Utilisation of feedback:

- The suggestions received and the results of feedback are discussed at the Department Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner within the constraints and limits laid down by the Medical Council of India.
- Effects of the changes implemented are again discussed at the Departmental Committee to assess impact.

***43. List the distinguished alumni of the department (maximum 10)***

Dr. Ramgopal Pansuryia (University Gold medalist Year 2015)

***44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.***

- Guest lecturers in the Department
- Seminars at Apple Hospital Kolhapur
- Monthly workshop at DMRIA meeting, Kolhapur.
- Poster presentation

***45. List the teaching methods adopted by the faculty for different programs including clinical teaching.***

- Journal reading
- Seminar presentation
- Case discussion,
- Guided lectures
- Technology assisted learning
- Student read demonstrations
- Computer assistor learning.

**46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

Please enter data as per pathology/Medicine department.

**47. Highlight the participation of students and faculty in extension activities.**

Participation in multiple camps conducted in hospital from time to time

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Poster presentations
- Paper presentations
- Radiological quiz contests
- Court activity
- Conferences organized.

**49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

NAAC has accredited the University with grade A in April 2012.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Research projects, Thesis, case reports & publications by faculty and PG students As per the list attached.

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strength:-

- Departmental Infrastructure
- Radiological equipment
- Competent faculty and technical staff
- Comprehensive availability of teaching material
- Excellent library.
- High awareness about Radiation effects with close monitoring & patient care

Weakness: -

- Poor patient compliance for follow up studies
- Limited interventional radiology work
- Non-availability of specialized MR work such as MR spectroscopy, tectography

- Non availability of PACS.
- Non availability of CAD & Tomosynthesis.

Opportunities:

- To conduct CME / workshops in conjunction with other hospitals
- Wider collaborative efforts for research with other institutions within India / in other countries
- Rural outreach programs
- Breast cancer screening programs
- Therapeutic interventional work for vascular / non- vascular applications.

Challenges.

- Try and increase Patient awareness about preventive health measures
- Try and increase patient compliance for follow-up
- Coordinated interdepartmental work for obtaining final diagnosis preferably non-invasively
- Try and further minimize the radiation dose to patients as well as working staff.
- To introduce Radiology fellowship programs

**52. Future plans of the department.**

Short Tem (Within 5 Years)

- Implementation of Radiology fellowship programs.
- High field strength MR. system
- Increase the number of screening camps.
- Create a modular syllabus for undergraduate teaching
- Increase vascular & non-vascular interventional radiology work

Long Term Plans (10 years):

- Increase intake of Postgraduate students.
- Satellite radiology center in rural hospital (Ghotwade.)
- Installation of PACS , CAD & Tomosynthesis
- Create a virtual interactive platform to facilitate teaching-learning for postgraduate and undergraduate students.
- Dual Energy multi-slice CT



## **Evaluative Report of the Department**

# **Anaesthesiology**

## Evaluative Report of the Department

**1. Name of the Department**

Anaesthesiology

**2. Year of establishment**

1990

**3. Is the Department part of a college/Faculty of the university?**

Yes. Part of the faculty of D. Y. Patil University.

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

MBBS, MD Anaesthesiology.

**5. Interdisciplinary programs and departments involved**

Nil

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

**7. Details of programs discontinued, if any, with reasons**

Nil

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

PG: Annual. 2 formative & 1 Summative at the end of PG course.

PG: Formative: Internal assessments are taken at end of I<sup>st</sup> & II<sup>nd</sup> year of PG and preliminary exam at the end of III year.

Summative: Final examination is taken at the end of 36 months for MD.

**9. Participation of the department in the courses offered by other departments**

Participation of faculty from Department of Medicine and Surgery.

**10. Number of teaching posts sanctioned, filled and actual  
(Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	1	1
<i>Associate Professor/Reader</i>	5	5	5
<i>Assistant Professor</i>	6	6	6
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>			
<i>Senior Resident</i>	3	4	4

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>
Dr. K.R. Kulkarni	MBBS, DA, DNB	Professor HOD	Pain Management	24
Dr. Sunita S. Patil	MBBS, MD	Associate Professor	Anaesthesia	19
Dr. Rashmi V. Chavan	M.D.	Associate Professor	Anaesthesia	18
Dr. A.D. Sahastrabudhe	MBBS, MD	Associate Professor	Anaesthesia	14
Dr. Kadam Sandeep	MBBS, MD	Associate Professor	Anaesthesia	17
Dr. S.G. Deshpande	MBBS, MD	Assistant Professor	Anaesthesia	5
Dr. Archita Mudakatte/ Patil	MBBS, DNB	Assistant Professor	Anaesthesia	11
Dr. Shankar Guruling Amanagi	MBBS, MD	Assistant Professor	Anaesthesia	17
Dr. Sheetal Desai	MBBS, MD	Assistant Professor	Anaesthesia	7
Dr. Sushma Yedekar	MBBS, MD	Assistant Professor	Anaesthesia	4
Dr. Arati Jadhav	MBBS, D.A.	Assistant Professor	Anaesthesia	5

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

<i>Sr. No.</i>	<i>Name</i>	<i>Whether Visiting Fellows, adjunct faculty, emeritus professors</i>
<i>1</i>	Prof. Dr. I. J. Namazi	Emeritus

**13. Percentage of classes taken by temporary faculty – program-wise information**

0 %

No temporary faculty for both UG and PG programs.

**14. Program-wise Student Teacher Ratio**

<i>Programme</i>	<i>Student-Teacher Ratio</i>
MD	1:1
UG	8:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual</i>
<i>Academic Staff (technical)</i>	8	8	1
<i>Administrative Staff</i>	3	3	3

**16. Research thrust areas as recognized by major funding agencies**

Nil

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Nil

**18. Inter-institutional collaborative projects and associated grants received****a) National collaboration:**

Nil

**b) International collaboration:**

Nil

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

Dr. Kalpana Kulkarni, Research Project Funded by D. Y. Patil University, Rs. 1.6 Lacs, 2011-13. "Comparative study of fluroscopic guided lumbar sympathetic ganglion block using local anesthetic with botox vs chemical neurolysis for the management of peripheral vascular diseases of lower limbs".

C-MAC videolaryngoscopy vs flexible fiberoptic laryngoscopy with Ambu-A3 Scope in patients with anticipated difficult airway arandomized control trial study (Rs. 5,00,000 Funded by D. Y. Patil University)

**20. Research facility / centre with**

- *state recognition*
- *national recognition*
- *international recognition*

Central Research Laboratory of University is recognized by BARC, ICMR, DST, DBT.

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications:**

- \* *Number of papers published in peer reviewed journals (national / international):*

23

- \* *Monographs:*

Nil

- \* *Chapters in Books:*

Nil

- \* *Books edited:*

Nil

- \* *Books with ISBN with details of publishers:*

Nil

- \* *Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):*

Nil

- \* *Citation Index – range / average:*

Nil

- \* *SNIP:*

Nil

- \* *SJR:*

Nil

- \* *Impact Factor – range / average:*

Nil

- \* *h-index:*

Nil

**23. Details of patents and income generated**

Nil

**24. Areas of consultancy and income generated**

Nil

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Nil

**26. Faculty serving in**

**a) National committees b) International committees c) Editorial Boards  
d) any other (specify)**

Faculty	Posts Held	Achievements
Dr. I. J. Namazi Prof. Former HOD	President ISA Kolhapur. (2005-6)	
Dr Kalpana Kulkarni Prof & HOD	1) Secretary ISA City Branch Kolhapur. (2005-06) 2) Vice President ISA City Branch Kolhapur. (2009-10) 3) President 'SAFE', ISA City branch Kolhapur. (2010-11) 4) Executive Council Member of Maharashtra state chapter. (2010-12)	(1st Prize for Awareness Award at ISACON Mumbai 2010)  Period of 2 yrs (2010-12)
Dr Sandeep Kadam Asso. Prof.	Secretary President 'SAFE' ,ISA City branch Kolhapur. (2014-17)	Best City Branch Award at ISACON Ludhiyana 2016)
Dr Sheetal Desai	Secretary President 'SAFE' ,ISA City branch Kolhapur. (2012-16)	
Prof. Dr. K R Kulkarni	Life Member ship: ISA (Indian Society of Anesthesiologists) ISSP (Indian Society of Study of Pain) Clinical Pharmacology IAPA (Indian Association of Pediatric Anaesthesia Critical Care Society)	

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

Faculty	Programs	Workshops
Dr. Kalpana Kulkarni	<ul style="list-style-type: none"> <li>FIPM(Ausculep Academy) Delhi Pain Management Centre 2013</li> <li>Comprehensive Review of Interventional Pain Therapies Jaslok H &amp; Weill Cornell Med College, NYUSA. 2007</li> <li>Department of Adult, Continuing Education &amp; Extension Work conducted Fellowship Programme in Interventional Spinal Pain Management. 2012, Pune</li> <li>Pain Management Course in 2016</li> </ul>	ISSPCON Mumbai 2015 Advanced Fluoroscopic Interventions
Dr. Anupama Sahastrabudhe	Bariatric Anaesthesia Delhi 2013	
Dr. Sandeep Kadam	Pain Management 2015( Daradia Kolkata)	
Dr. Rashmee Chavan	Pain Management 2015( Daradia Kolkata)	
Dr. Archita Patil	BSL/ACLS Course 2015	
Dr. Anita Kadam	High Risk Obstetric Aneasthesia course Hyderabad 2013	

**28. Student projects**

- *percentage of students who have taken up in-house projects including inter-departmental projects*

All 100% PG students have dissertation projects.

- *percentage of students doing projects in collaboration with other universities / industry / institute*

20% students have Interdepartmental projects with Obgy & Surgery.

**29. Awards / recognitions received at the national and international level by**

- **Faculty**

Dr. Kalpana Kulkarni	Fellowship FIPM-At Delhi Pain Management Centre in 2013	Awards (1 <sup>st</sup> Prize for Awareness Award at ISACON Mumbai)2011 During Presidentship. 5 <sup>th</sup> WISACON 2007, Nagpur. (1st Prize winner of Poster presentation). MISACON 2006, Mahabaleshwar. (IInd Prize winner of poster presentation)
Dr. Anupama Sahastrabudhe	Bariatric Anaesthesia Delhi 2013	
Dr. Sandeep Kadam	Pain Management 2015( Daradia Kolkata)	
Dr. Rashmee Chavan	Pain Management 2015( Daradia Kolkata)	
Dr. Archita Patil	BSL/ACLS Coarse 2015	
Dr Anita Kadam	High Risk Obstretic Aneasthesia coarse Hydrabad 2013	
Dr. Anuradha Deotale IInd Yr PG	ISNACC 2016 Bengaluru	1 <sup>st</sup> Prize in Poster Presentation

- **Doctoral / post doctoral fellows**

- **Students**

- 1<sup>st</sup> prize for poster presentation at COURT 2008.
- 1<sup>st</sup> prize for poster presentation at MISACON 2008.
- 1<sup>st</sup> prize for poster presentation at WISACON 2009.
- 1<sup>st</sup> prize for paper presentation at WISACON 2009.
- 2<sup>nd</sup> prize for poster presentation at MISACON 2012.
- 1<sup>st</sup> prize for poster presentation at NIMHANS 2015.
- 1<sup>st</sup> Prize for poster presentation at ISNACC 2016.

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Following CME & WORKSHOPS conducted by Dept of Anaesthesiology DYPMC Kolhapur.

Year	Topic	Date
2012	USG GUIDED NERVE BLOCKS	15-7-2012
		DYPMCH
		Kolhapur
2013	HAEMODYNAMIC MONITORING IN ANESTHESIA	05/08/2013
		DYPMCH
2015	PGCON	5.4.15
		DYPMCH
2016	LOW FLOW ANESTHESIA	2.10.16
		DYPMC University
		100,000/-

**31. Code of ethics for research followed by the departments**

- All research is approved by the Institutional Ethics Committee (IEC) before commencement.
- All research is conducted as per the GCP-ICH guidelines and the IEC recommendations.

**32. Student profile program-wise:**

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
III/II MBBS	142	96	46	Passed III/I MBBS	Passed III/I MBBS

**33. Diversity of students**

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MD Anesthesia 2016	0%	0%	100%	0%
MD Anesthesia 2015	0%	0%	100%	0%
MD Anesthesia 2014	0%	25%	25%	50%

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

Nil

35. Student progression

<i>Student progression</i>	<i>Percentage against enrolled</i>
<i>UG to PG</i>	(3 out of 28)
<i>PG to M.Phil, DM / M Ch / DNB</i>	Not applicable
<i>PG to Ph.D.</i>	0%
<i>Ph.D. to Post-Doctoral</i>	Not applicable
<i>Employed</i>	1
<ul style="list-style-type: none"> <li>• <i>Campus selection</i></li> <li>• <i>Other than campus recruitment</i></li> </ul>	
<i>Entrepreneurs</i>	

36. Diversity of staff

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	-
<i>from other universities within the State</i>	11
<i>from universities from other States</i>	1
<i>from universities outside the country</i>	-

37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library

Total No. of Books -161

Purchase of latest editions in last 3 years - 55

No. of Journals- Indian – 02,

E-Journals:-02 Foreign- 03

E-Journals - 46

Digital Library:

- 6 Computer terminals
- Internet connectivity of all 6 terminals
- Subscription of ProQuest search engine available

***b) Internet facilities for staff and students:***

3 nodes

***c) Total number of class rooms:***

1+1 Demo room

***d) Class rooms with ICT facility and 'smart' class rooms:***

Smart Class room - 1

***e) Students' laboratories:***

***f) Research laboratories:***

Central Research Cell

***39. List of doctoral, post-doctoral students and Research Associates***

***a) from the host institution/university***

***b) from other institutions/universities***

Nil

***40. Number of post graduate students getting financial assistance from the university.***

Nil

***41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.***

Nil

***42. Does the department obtain feedback from***

***a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?***

Yes

Faculty on curriculum as well as teaching-learning-evaluation:

Utilization of feedback:

- The suggestions received and the results of feedback are discussed at the Departmental Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner.
- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.

***b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?***

Students on staff, curriculum and teaching-learning-evaluation:

Utilization of feedback:

- The suggestions received and the results of feedback are discussed at the Departmental Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner.
- Action taken report is submitted to the Departmental Committee by the respective faculty in charge of implementation.

***c. alumni and employers on the programs offered and how does the department utilize the feedback?***

Alumni and employers on the programs offered:

Yes

Utilization of feedback:

- The suggestions received and the results of feedback are discussed at the Departmental Committee meetings by faculty members.
- The recommendations of the Departmental Committee are then implemented in a phased manner within the constraints and limits laid down by the Medical Council of India.
- Effects of the changes implemented are again discussed at the Departmental Committee to assess impact.

***43. List the distinguished alumni of the department (maximum 10)***

Gold Medalist in PG University Exam

- Dr. Sunilkumar Singh &
- Dr. Veer Thakkar in MD exam

Fellowships:

- Dr. Ujwal Sharma Cardiac Anaesthesia
- Dr. Girish I R –Neuro Anesthesia Bangalore
- Dr. Amruta Naik- Cardiac Anaesthesia- Chennai

DM:

- Dr. Samrat Madnaik – DM in Cardiac Anaesthesia KLE Belgaum.

**44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.**

Date	Name Of Guest Speaker	Topic Of Lecture
17/1/2015	Dr Vijay Chavan	Chronic Renal Failure
21/2/2015	Dr Dilip Paranjape	Diabetes Mellitus
21/3/2015	Dr Shakil Momin	Valvular Diseases Of Heart
18/4/2015	Dr Anjali Kaddu	Maternal Cardiac Arrest
16/5/2015	Dr Pallavi Kulkarni	Pheochromocytoma
20/6/2015	Dr Bharat Thakar	Awake Intubation
18/7/2015	Dr Amol Kodollikar	Arrhythmias
14/8/2015	Dr Sayiprasad	Echocardiography
19/9/2015	Dr Ajit Kulkarni	Pulmonary Function Test
17/10/2015	Dr Deepali Patil	Obstetric Hemorrhage
21/11/2015	Dr Kanchan Joshi	Pregnancy Induced Hypertension
19/12/2015	Dr Shailendra Mane	Hypertension
16/1/2016	Dr Ajit Kulkarni	Fibre-Optic Bronchoscopy
20/2/2016	Dr Shakil Momin	Ischemic Heart Disease And Non Cardiac Surgery
19/3/2016	Dr Dilip Paranjape	Hemodynamic Management In Head Injury
16/4/2016	Dr Amol Kodollikar	Intra And Peri Operative Management Of Patient With Cardiac Pacemaker
21/5/2016	Dr Vijay Chavan	Massive Blood Transfusion
18/6/2016	Dr Ameesh Amte	Liver Cirrhosis
16/7/2016	Dr Pallavi Kulkarni	Etco2-A Window Into Your Patient
20/8/2016	Dr Sagaonkar	Anaesthesia For Gi Endoscopy
21/9/2016	Dr Paranjape	Failed Intubation In Practice
20/10/2016	Dr Kalpana Kulkarni	CPR-The Current Guidelines
15/11/2016	Dr Anjali Kaddu	Obstetric Hemorrhage
14/12/2016	Dr Vasudev Kriplani	Perioperative Management Of Diabetes Mellitus

No.	Name of Workshop/C.M.E/ Seminars/ Conferences	Date And Year	Name of The Consultant And P.G. Students
1	ISSPCON ( Pain) Jaipur	2-5Feb 2016	Dr K R Kulkarni
2	KISACONSZ 2016 Belgaum	Sept 2016	Dr K R Kulkarni Dr I J Namazi Dr Rahul Patil
3	7 <sup>th</sup> National Airway Conference, Vadodra	Sept 2016	Dr I J Namazi
4	MISACON Aurangabad	Oct 16	DR K R Kulkarni DR Suyash
5	Tata Memorial TMC-DAC, Mumbai	9-11 Dec 2016	Dr I J Namazi
6	ISSPCON Indore	6-8 Feb 2015	Dr K R Kulkarni
7	Pne Pain Management Coarse	April 2016	Dr K R Kulkarni
8	ISACON 15 JAIPUR E poster presentation	26-29DEC15	DR K R Kulkarni
9	NAC 15 Shrinagar Faculty Poster presentation	Nov 15	Dr IJ Namazi Dr Ravi
10	IMA Hubli National conference	April 2015	Dr. K. R. Kulkarni Dr. I. J. Namazi
11	CME Cardiac anaesthesia BVP SANGLI	March 2015	Dr. K. R. Kulkarni Dr. I. J. Namazi
12	International conference of pain Taiwan	March – april 2014	Dr Kulkarni

No.	Name of Workshop/C.M.E/ Seminars/ Conferences	Date And Year	Name of The Consultant And P.G. Students
13	USG guided nerve blocks workshop, Bagalkot, Karnataka	Jan 2014	Dr. I. J. Namazi Dr. Saloni Dr. Pooja
14	National Airway Conference 2013 Siligudi, West Bengal	Nov 2013	Dr. I. J. Namazi
15	Work shop On CPR & Trauma Life Support at Satara Civil Hospital on 5 <sup>th</sup> Sept 2013.		DR KR KULKARNI DR S YEDEKAR DR ARTI JADHAV
16	KMA (Kolhapur)	Nov 2013	Dr. K. R. Kulkarni, Dr. S. Deshpande Dr. Archita Patil Dr. Samrat Madnaik Dr. Niti Dalal Dr. Shirish Kumar T. Dr. Ravi Bhaskar Dr. Ameesha Sharma
17	WISACON (Udaypur)	Nov 2013	Dr. Yedekar Dr. Arati Jadhav
18	KISACON BANGALORE	SEPT 2013	Dr. Saloni Sahni Dr. Girish I. R. DR.POOJA
19	MAHACRITICON (Kolhapur)	Oct 2013	Dr. I. J. Namazi Dr. K. R. Kulkarni Dr. Archita Patil
20	Inhalational Anaesthetics (KLE, belgaum)	July 2013	Dr. I. J. Namazi Dr. Arati Jadhav Dr. Niti Dalal Dr. Saloni Sahni Dr. Girish I. R.
21	SSIMS , Bangalore	29-30 MAR, 2013	Dr.I.J.Namazi, Dr.Arati, Dr.Yedekar, Dr.Girish
22	Anesthesia Review Course, Tata Memorial Hospital ,Mumbai	29-31 MAR,2013	Dr.Niti , Dr.Amruta,P, Dr.Samrat.
23	Mechanical Ventilator Workshop,Kolhapur	25 <sup>th</sup> JAN, 2013	Dr.Samrat,Dr.Arati,Dr.Saloni Dr.Shirish, Dr.Pooja,Dr.Girish.
24	MISACON-2012,Kolhapur (DUE)	23-25 NOV. ,2012	Dr.I.J.Namazi, Dr.K.R. Kulkarni Dr. Basant, Dr. Amruta .N., Dr. Aarti, Dr. Samrat, Dr. Amruta .P, Dr. Niti.
25	National Difficult Airway- Belgaum (DUE)	26-28 OCT 2012	Dr.I.J.Namazi, Dr.K.R. Kulkarni Dr. Basant, Dr. Amruta .N, Dr. Aarti, Dr. Samrat, Dr. Amruta P., Dr. Niti.
26	Global Update Of Pain (DUE)	25-28 OCT 2012	Dr. Swapnaja,Dr. Aarti
27	BAPU 2012- Tirupati	1-3 SEPT 2012	Dr.I.J.Namazi, Dr. Aarti, Dr. Samrat, Dr. Amruta P.
28	Certified Course Of ACLS & BLS- Kolhapur	14-16 SEPT 2012	Dr. Archita Patil
29	C.M.E. On Critical Care- Bangalore	23 SEPT 2012	Dr. Girish, Dr. Pooja, Dr. Saloni
30	KISACON- Mangalore	5- 7 OCT 2012	Dr. Basant, Dr. Amruta N., Dr. Niti.
31	RACE 2012- Chennai	FEB 2012	Dr. Basant, Dr. Amruta N.,

No.	Name of Workshop/C.M.E./ Seminars/ Conferences	Date And Year	Name of The Consultant And P.G. Students
			Dr. Niti.
32	C.M.E. On Prevention On Surgical Site Infection- Kolhapur	29 <sup>TH</sup> JAN 2012	Dr.I.J.Namazi
33	CME & Live Workshop On Pain Management	22 <sup>ND</sup> JAN 2012	Dr. K. R. Kulkarni

All the faculties & PG students attended CMEs conducted by Kolhapur ISA city Branch in 2016

CME Name	Date	Venue	Attended by
Obstretic Anesthesia and Trauma Update	21st Feb 2016	Hotel Sayaji Kolhapur	All faculties and PG students
CME Safe surgeries –Simple steps	12 <sup>th</sup> June 2016	Hotel Perl	All faculties and PG students
Research Guidelines and Methodology	25 <sup>th</sup> June 2016	Hotel Pavellion	All faculties and PG students
Applied Cardiology an Insight For Anaesthesiologist	28 <sup>th</sup> Aug 2016	Hotel Radiant	All faculties and PG students
AHA Certified course by Symbiosis University on BSL/ACLS.	9 <sup>th</sup> & 10 <sup>TH</sup> June 16	KMA	
World Anesthesia Day Programme	16 <sup>th</sup> Oct 2016	D Y Patil Hospital Kolhapur Aster Adhar Hospital	All faculties & PGs.

**45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

MBBS:

Theory: Didactic Lectures, Interactive teaching in small groups, Tutorials, Seminars

Clinical: Skill Lab teaching, Case presentation, Bedside teaching, Demonstrations, AV-teaching, Visual based teachings

MD:

Theory: Didactic lectures, Journal club, Group discussions, Guest lectures, Mortality meets

Clinical: Case presentations, Ward Rounds, Demonstrations, Assisted and supervised Procedures in Skill Lab.

**46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

Knowledge:

- Regularly conducted structured teaching program ensures that all updated knowledge required by the students is delivered to them.
- Regular updating of the curriculum ensures continuous quality control.
- Regular CMEs, workshops, Guest lectures ensure that students are in touch with the recent advances in the field.
- Participation in research projects both as part of mandatory dissertations and faculty projects is used to train students in this field.

Skills:

- Regular Bedside teaching during daily rounds, grand rounds, case presentations, case discussions is done
- Clinical Skills Lab is used to train students in necessary skills.
- Procedures are demonstrated and later supervised to give students confidence and independence.

Attitude:

- Emphasis on communication skills is done by all faculty during rounds and clinical teaching
- Role playing for patient related issues such as breaking bad news is done
- Role modeling by faculty contributes to this area
- Empathy towards patients and relatives is conveyed to students through words, teaching and example.

Monitoring Learning Outcomes

- Assessments are regularly conducted in a fair and transparent manner
- Attendance of students is monitored to see its impact on assessment results
- Formative assessments help to understand the pace of student learning

- Discussions during teaching-learning sessions help to assess the students
- Regular monitoring of theses, presentations, seminars and journal discussions by students help the faculty to guide students based on their current understanding.

**47. Highlight the participation of students and faculty in extension activities.**

- Camps conducted by hospital
- Tree Plantation
- Blood Donation
- Celebration of World Anaesthesia Days every year on 16<sup>th</sup> Oct with public awareness programmes and BSL/ACLS demonstrations and AV/street plays /One act play etc. by faculties and PGs.
- Swachhha Bharat Abhiyaan
- Participation in Arogya Mela, Happy street programs for basic life support techniques on Mannikins.
- Articles in IMA Monthly News Bulletin-Journal & News Paper

Sr.No.	Topic name	Journal name	Year
1	Recent Advances In Difficult Airway Management	An Aesthetic View July 2010	July 2010 Page 48.
2	Sympathetic block In Pain Management	An Aesthetic View July 2011 Dr K R Kulkarni	July 2011 Page 21
3	Pain Clinic A Modern Day Care,Pain Management: An Emerging Speciality	KMA Flash Oct 2013;33(7):13 Dr. K R Kulkarni	Oct 2013 Page 13
4	Pain Management on OPD Basis	KMA Flash Nov 13;33(8);13 DR K R Kulkarni	Nov 2013 Page 13
5	Cancer Pain Management: A Challenge to Pain Physician	KMA Flash Oct 15,Vol 35 (7):12 Dr K R Kulkarni	Oct 2015 Page 12
6	Health Magazine ‘ Arogya’	Arogya	
7	Basic Anesthesia Machine	CME Souvenir Low flow Anesthesia DR K R Kulkarni	2 <sup>nd</sup> Oct 2016 Page 8-10
8	Cancer Pain	KMA Flash Dr Rashmee Chavan	36;4 July 2016
9	How to setup Pain Clinic	KMA Flash Dr Sandeep Kadam	2016
10	Labor Analgesia -Mother’s Day	Sakal Daily News Paper	10.5.15
11	Educational qualifications for anaesthesiologist	Sakal News Paper Dr Sheetal Desai	2.4.15
12	World Anesthesia Day	Maharashtra Times Dr Archita Patil	16.10.15
13	Diebeties & Anaesthesia	Tarun Bharat News Paper Dr Arati Jadhav	14Nov 2015
14	History of Anesthesia & Pain Clinic	Lokmat News paper Dr K R Kulkarni	July 2015
15	Anesthesia Speciality –Pain Management	Pudhari News Paper Dr K R Kulkarni	7.4.16

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- a. Attended conferences presented posters & papers & Workshops by faculties & PGs.
- MISACON 2012 Akola – Paper & Poster Presentation
  - ISSPCON 2013 Mumbai– E paper presentation
  - 2<sup>nd</sup> Asian Congress on Pain March 14 Tiape (China)
  - KISACON 16 Belgaum
  - NAC-J Kashmir 2015 & 16
  - ISACON Ludhiyana 2016
  - MISACON Aurangabad 2016
- b. Refreshers courses attended by PGs
- Ganga refresher course Chennai.
  - ARC New Dehli
  - Tata Hospital Mumbai
- c. Public awareness
- Yearly intern CPR orientation programme
  - Yearly celebration of world anaesthesia day on 16th october showcasing to public and staff about-Various techniques of anaesthesia
    - Various techniques of pain management
    - Various advancements in the field of anaesthesia
    - Hands on experience of CPR on manikin
  - Our faculty in association with ISA Kolhapur branch visit various public places on a regular basis and provide CPR demonstration.
- d. COURT
- Regular participation at the local chapter of the Association of Anaesthesiologists of India (SAFE –Kolhapur) by faculty and Students
  - Research projects are undertaken by students with faculty, beyond mandatory requirement of MCI. Received 1<sup>st</sup> & 2<sup>nd</sup> Prizes in paper presentations by Dr. Neha Kachroo, Dr. Arati Jadhav

**49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

NAAC has accredited the University with A Grade in April 2012.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

This is done through research projects and publications. Projects Completed and resulted in Publication

- Comparison between Succnyl choline & Rocuronium in intubating conditions
- Study of Intrathecal bupivacaine with and without Clonidine in infraumbilical surgery in ASA I & II
- Cervical Epidural Anesthesia with LA for MRM surgeries
- Gabapentine as a pre-emptive analgesic with sub arachnoid block.
- Hyperbaric ropivacaine Vs hyperbaric bupivacaine in elective surgery under subarachnoid block.
- Effect of intravenous clonidine premedication on hemodynamic changes during laparoscopic surgery.
- Preloading versus IV ephedrine on haemodynamic responses in LSCS under spinal anaesthesia

**Consultants Ongoing Projects (2016- 2018)**

Consultant Name	Topic	Co- Investigator
Prof. Dr. I.J. Namazi	Effect of Fresh Gas Flow on sevoflurane concentrations during Low-flow anaesthesia using gas analyser	Dr. Sushma Yedekar (Asst. prof) Dr. Sangeeta Patil.
Prof. Dr. I.J. Namazi	A comparison of two video laryngoscopes – true view and kings vision in routine airway management.	Dr. Archita Patil (Asst. prof) Dr. Sheetal Desai
Dr. K. R. Kulkarni	Comparative study of fluoroscopy guided lumbar sympathetic ganglion block using local anaesthetic with botox versus chemical neurolysis for management of peripheral vascular disease.	Dr. R. M .Kulkarni Dr. Arati Jadhav
Dr. Archita Patil	To evaluate and compare trueview blade with macintosh blade for laryngoscopy and intubation under general anaesthesia.	Dr. Anita Adnaik Dr. Sandeep Kadam
Dr. Archita Patil	To evaluate and compare Trueflex and hockey stick preformed stylet as an intubation guide with trueview laryngoscope for intubation for general anaesthesia	Dr. Shankar Amange Dr. Sunetra Deshpande
Dr. S. Deshpande	A comparison of 0.5% Bupivacaine and 0.5% Ropivacaine for interscalene Brachial Plexus block.	Dr. Sheetal Desai Dr. Sangeeta Patil
Dr. Sahasrabudhe	To compare intra operative hemodynamic response between volatile anaesthesia and propofol –opioid anaesthesia for maintenance in patients posted for head and neck surgery.	Dr. Arati Jadhav Dr. Rashmi Chavan
Dr. I. J. Namazi	Comparative study of hemodynamic	Dr. Sushma Yedekar

Consultant Name	Topic	Co- Investigator
	changes for the surgeries in prone position by using Supreme LMA in prone vs conventional endo tracheal intubation	DrSunitalPatil
Dr. Sunetra Deshpande	Kingsvision Video Laryngoscopy Versus Flexible bronchoscope intubation in Patients with Anticipated Difficult Airway	Dr. Arati Jadhav Dr. Shankar Amangi

Applied Knowledge with the use of Simulation Lab for PGs.

#### Simulation Lab

- We have a newly constructed simulation lab consisting of following manikins-
- Basic CPR manikin
- Advanced CPR manikin with ECG simulator
- Adult airway management manikin
- Adult difficult airway management manikin
- Pediatric difficult airway management manikin
- Spinal/Epidural simulation manikin
- Epidural simulation manikin
- Pediatric Caudal/Spinal/Epidural simulation manikin
- Arterial line simulation manikin
- Central line simulation manikin
- Central venous/ pulmonary artery line simulation manikin

#### ***51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.***

##### Strengths

- Well trained faculty.
- Student friendly atmosphere.
- Anesthesia museum, Skill lab.
- AV study material.
- Regular UG/PG activities.
- Innovative research.

##### Weaknesses

- Lack of research project funds from Central Funding agencies.
- Lack of International and National Collaborations for research.
- Need to have High Impact Indexed Journal publications

##### Opportunities

- Ultrasound guided skills.

- Developing Advanced Pain management facility.
- Attending International conferences & Workshops.
- Centrally funded Research Projects.
- Publications.

#### Challenges

- Low cost Research & technology for regional and general anaesthesia techniques.
- Quality of research papers.

#### ***52. Future plans of the department.***

##### Short Term (Within 5 Years)

- Strengthen quality and protocols in Pediatric and Neuro-anesthesia. Upgrade Intensive Care Unit (Infrastructure, Manpower & Facilities).
- To increase number of Fellowship programs.

##### Long Term Plans (10 years):

- To start Refresher courses for Postgraduates.
- Establishment of palliative care and perioperative pain management protocols and unit
- To establish a labor analgesia unit.
- To establish Cardiac Anaesthesia facility with upcoming Cardiothoracic unit.
- To create a virtual interactive platform to facilitate teaching-learning for postgraduate and undergraduate students.



**Evaluative Report of the Department**

**Obstetrics &  
Gynecology**

### Evaluative Report of the Department

**1. Name of the Department**

Obstetrics & Gynecology

**2. Year of establishment**

1990

**3. Is the Department part of a college/Faculty of the university?**

Yes. Part of the Medical College.

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

<i>Course Level</i>	<i>Course Name</i>
UG	MBBS
PG-Degree	MS
PG-Diploma	DGO
Ph.D.	Interdisciplinary

**5. Interdisciplinary programs and departments involved**

ICTC, Endoscopy, Oncology, Colposcopy, PAP smear, USG-obstetric, Gynaec, Infertility. I.U.I.-facility

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

**7. Details of programs discontinued, if any, with reasons**

Nil

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

Examination system:-

For UG- Internal assesment at 6th, 8th & 9th term both theory&Practical.

Final Examination at the end of 9th term both Theory & Practical.

For PG- Internal assesment –theory exam at the end of Ist & IInd year & Preliminary exam.

At IIIrd year. Final examination at the end of 3 yrs for MD & 2 yrs for DGO-both theory & pratical.

**9. Participation of the department in the courses offered by other departments**

USG-Radiology dept for CT & MRI, Stem cell Nanotechonology, NICU

**10. Number of teaching posts sanctioned, filled and actual  
(Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	3	3
<i>Associate Professor/Reader</i>	2	2	2
<i>Assistant Professor</i>	3	8	8
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>			
<i>Senior Resident</i>	3	4	4

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>
Dr. Shahsikant S Kulkarni	MBBS, MD	Prof. & HOD	Obst & Gyn	17 Yrs
Dr. RK Sharma	MBBS, MD	Prof. & DEAN	Obst & Gyn	24 Yrs
Dr. Ajit Patil	MBBS, MD	Prof	Obst & Gyn	24 Yrs
Dr. Vasudha Sawant	MBBS, MS	Asso. Prof	Obst & Gyn	17 Yrs
Dr. Sonal Walawalkar	MBBS, MS	Asso. Prof	Obst & Gyn	16 Yrs
Dr. Neelima Shah	MBBS, MS	Asstt. Prof	Obst & Gyn	12 Yrs
Dr. Sangita Desai	MBBS, MS	Asstt. Prof	Obst & Gyn	08 Yrs
Dr. Suruchi Pawar	MBBS, MS	Asstt. Prof	Obst & Gyn	07 Yrs
Dr. Rushikesh Joshi	MBBS, MS	Asstt. Prof	Obst & Gyn	05 Yrs
Dr. Keluskar Y	MBBS, MS	Asstt. Prof	Obst & Gyn	04 Yrs
Dr. Muskar Rahul	MBBS, MS	Asstt. Prof	Obst & Gyn	04 Yrs
Dr. Archana Kumbhar	MBBS, MS	Asstt. Prof	Obst & Gyn	03 Yrs
Dr. Naqiya Bellari	MBBS, MS	Asstt. Prof	Obst & Gyn	03 Yrs

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

NIL

**13. Percentage of classes taken by temporary faculty – program-wise information**

All the faculty members are permanent. There is no temporary faculty.

**14. Program-wise Student Teacher Ratio**

<i>Programme</i>	<i>Student-Teacher Ratio</i>
UG	13:1
PG Degree	1:1
PG Diploma	1:1
Ph. D.	1.1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual</i>
<b><i>Academic Supportive Staff</i></b>			
Physio therapist,	1	1	1
Health educator	1	1	1
Technician	1	1	1
<b><i>Administrative Staff</i></b>			
Lab attendant	1	1	1
Storekeeper /clerk	2	2	2
Social worker	1	1	1

**16. Research thrust areas as recognized by major funding agencies**

Anemia, Oncology, Endoscopy –Infertility, PCOS.

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

1) Anemia in pregnancy 2) PCOS 3) Colposcopy/PAP

Grant Received from D.Y.Patil University.

**18. Inter-institutional collaborative projects and associated grants received c) National collaboration b) International collaboration**

Nil

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

Nil

**20. Research facility / centre with**

- *state recognition*
- *national recognition*
- *international recognition*

Nil

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications:**

- \* *Number of papers published in peer reviewed journals (national / international):*

17

\* **Monographs:**

Nil

\* **Chapters in Books:**

Nil

\* **Books edited:**

Nil

\* **Books with ISBN with details of publishers:**

Nil

\* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):**

Nil

\* **Citation Index – range / average: -**

\* **SNIP:-**

\* **SJR:-**

\* **Impact Factor – range / average: -**

\* **h-index: -**

**23. Details of patents and income generated**

Nil

**24. Areas of consultancy and income generated**

Nil

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Nil

**26. Faculty serving in**

**a) National committees b) International committees c) Editorial Boards**

**d) any other (specify)**

Nil

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

Nil

**28. Student projects**

- **percentage of students who have taken up in-house projects including inter-departmental projects**

100%

- **percentage of students doing projects in collaboration with other**

*universities / industry / institute*

Nil

**29. Awards / recognitions received at the national and international level by**

- *Faculty*
- *Doctoral / post doctoral fellows*
- *Students*

Best paper/poster for following 6 PG students,

- Dr. Shweta Patki
- Dr. Madhulika Kumari
- Dr. Kiran Joshi
- Dr. Poulami Barma
- Dr. Parul Verma
- Dr. Urvi Tanna

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- Workshop On Suturing Techniques-July 2015
- Guest lecture Dr. Arjun-How to write research paper
- Workshop on Webinar-Live endoscopic surgery-27 Nov 2016
- CME-Endometriosis, pcos,-19 Feb 2017

**31. Code of ethics for research followed by the departments**

All research proposals must be cleared by institutional ethics committee formed as per guidelines of ICMR

**32. Student profile program-wise:**

<i>Name of the Program (refer to question no. 4)</i>	<i>Applications received</i>	<i>Selected</i>		<i>Pass percentage</i>	
		<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>
III/II MBBS	142	96	46	Passed III/I MBBS	Passed III/I MBBS

**33. Diversity of students**

<i>Name of the Program (refer to question no. 4)</i>	<i>% of students from the same university</i>	<i>% of students from other universities within the State</i>	<i>% of students from universities outside the State</i>	<i>% of students from other countries</i>
MS Obst & Gyn-2016	40%	0%	60%	0%
MS Obst & Gyn-2015	20	80%	0%	0%
MS Obst & Gyn-2014	0%	40%	40%	20%
D.G.O.-2016	0%	50%	0%	50%
D.G.O.-2015	50%	50%	0%	0%
D.G.O.-2014	50%	0%	50%	0%

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

Nil

35. Student progression

<i>Student progression</i>	<i>Percentage against enrolled</i>
<i>UG to PG</i>	80-90%
<i>PG to M.Phil, DM / M Ch / DNB</i>	Nil
<i>PG to Ph.D.</i>	Nil
<i>Ph.D. to Post-Doctoral</i>	Nil
<i>Employed</i>	
• <i>Campus selection</i>	Nil
• <i>Other than campus recruitment</i>	96%
<i>Entrepreneurs</i>	Nil

36. Diversity of staff

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	Nil
<i>from other universities within the State</i>	12 faculty
<i>from universities from other States</i>	1
<i>from universities outside the country</i>	Nil

37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) *Library*

Reference Books – 258

No. of books for circulation- 200

b) *Internet facilities for staff and students*

1 computer with Internet facility available

c) *Total number of class rooms*

Total number of class rooms: - One

One Demo room

clinic room in OPD & ward, Seminar room. One e-enabled class room

d) *Class rooms with ICT facility and 'smart' class rooms*

Class rooms: Yes 5 in common

One seminar hall ICT facility in dept.

d) *Students' laboratories*

Nil

e) *Research laboratories*

Central Research Laboratories

**39. List of doctoral, post-doctoral students and Research Associates**

**a) from the host institution/university**

Nil

**a) from other institutions/universities**

Nil

**40. Number of post graduate students getting financial assistance from the university.**

There is a provision of financial assistance from the university for PG students & Ph.D. Students if required.

**41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

Nil

**42. Does the department obtain feedback from**

**a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes, structured feedbacks are taken. The feedbacks are analyzed and feasible and valid suggestions are put up in the departmental curriculum committee. Necessary changes are made as per feasibility and relevance. Feedback is also taken from faculty in the Board of studies meeting and during examination.

**b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Yes, structured feedbacks are taken from staff on curriculum and teaching learning evaluation. The feedbacks are analyzed and feasible and valid suggestions are put up in the departmental curriculum committee. Necessary changes are made as per feasibility and relevance.

**c. alumni and employers on the programs offered and how does the department utilize the feedback?**

Yes, structured feedbacks are taken from Alumni and employees and analyzed and required changes made if found feasible and relevant.

**43. List the distinguished alumni of the department (maximum 10)**

<i>Sr. No.</i>	<i>Name</i>	<i>Place of work</i>
1	Dr. Mrs. Krishna Suradran	IVF Specialist, Kanyakumari
2	Dr. Shashwat Jani	Laperoscopic Surgen, Ahmedabad
3	Dr. Shweta Patki	IVF Specialist, Kolhapur
4	Dr. Rahul Upadhya	Infertility, Mumbai
5	Dr. Shailendra Singh Nayak	IVF Specialist, Rajasthan
6	Dr. Shilpa Pimparkar	Obst. Emergency, Delhi
7	Dr. Trapti Gupta	Laperoscopy Endoscopy, Gujrat
8	Dr. Pratima Dash	Fellowship in Laperoscopy, Dubai
9	Dr. Asma Khan	Infertility, Rajkot

**44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.**

Nil

**45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

<b>Sr.No</b>	<b>For UG</b>	<b>For PG</b>
1	Classroom teaching with audio visual aids	PG lecture
2	Bed side clinic	Bed side clinics
3	Tutorials	Hands on workshop & training
4	Group discussion	Case presentation
5	Case Presentation	CME
6	Integrated Teaching	Problem Based Learning
7	Problem based learning	Journal Club Seminar
8	Seminars	Grand Rounds
9	One Minutes Preceptor ship	Microteaching
10	Quiz( Periodical) EBM	Evidence based medicine, OSCE

**46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

Regular evaluation exercises are performed and assessed. At the end of program students are assessed to have met outcomes with annual examination

- Both theory and practical skills are assessed
- Departmental staff meeting conducted regularly
- Regular teaching audits are conducted
- Internal results are discussed with the students and after university results feedback from examiners is collected and result discussed
- Formative Assessment: Viva Case Presentation, Written Examination
- Problem Based learning
- Maintaining log Books
- Feedback

**47. Highlight the participation of students and faculty in extension activities.**

- Rural Health Camps-
- Cancer Detection/Screening –Papsmear Camp
- Celebration Of International And National Health Days
- Training For Procedures Like Cus-T,Insertion Colposcopy
- Swachchha Bharat Abhiyan
- Rural And Remote Area Diagnosis And Treatment Camps
- World Breast feeding week is celebrated every year from 1<sup>st</sup> August to 7th August various activities like Awareness programmes poster display quiz competition, counseling session for mothers, workshops organized. These programmes involve health workers, Social workers, Anganwadi workers and mothers support group to spread the message to promote, protect and support breastfeeding.
- Camps are organized, urban as well a rural, for routine medical checkup and monitoring their growth. They are given free treatment if some medical problem is detected.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Participation in CME, Workshop Seminar, Symposium & Conference (local & outside)
- Paper and Poster Presentation
- Research Publication
- Guest Lectures on advance clinical topics
- Celebration of various health days.
- Seminar by the students for the students
- Organization of CME & Workshop for upgradation of knowledge of PG Students in collaboration with KOGS.

**49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

Nil

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Research Papers
- Health awareness campaign  
Effective contraceptive methods and family planning, identifying high risk Antenatal cases, screeing for cervical cancer, awareness regarding STDs and HIV.

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strength

- Teaching faculty
- Superspeciality services
- Outreach activities
- Special Campaign
- Community services

Weaknesses

- Lack of facilities for advance management of Genital Malignancies.
- Lack of services in advance Assisted reproductive techniques.

Opportunity

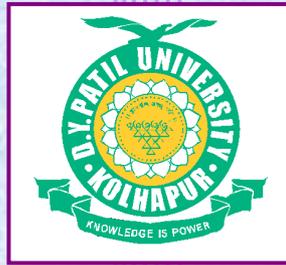
- Adequate use of clinical skill lab to improve knowledge & skills of UG & PG Students.

Challenges

- To bring down MMR.

**52. Future plans of the department.**

- To enhance obstetrics critical care facility.-
- Up gradation of HDU.
- To start super specialty courses.
- Fellowship in Infertility, endoscopy, obstetric emergencies
- Certificate course in In vitro Fertilization.
- Development of Intrauterine insemination Laboratory.
- To update teaching skills of faculty for better performance.
- To strengthen superspeciality services.
- Ti-up with Fogsi, National & international agencies for academic upliftment



## **Evaluative Report of the Department**

### **Immuno-Haematology & Blood Transfusion**

### Evaluative Report of the Department

**1. Name of the Department**

Immuno-Haematology & Blood Transfusion

**2. Year of establishment**

2013

**3. Is the Department part of a college/Faculty of the university?**

Yes. Department is part of the College

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

<i>Programmes</i>	<i>Courses Name</i>
PG	MD

**5. Interdisciplinary programs and departments involved**

Microbiology, Pathology departments are utilized for training MD Pathology Students.

**6. Courses in collaboration with other universities, industries, foreign institutions, etc. .**

Nil

**7. Details of programs discontinued, if any, with reasons**

Nil

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

PG

Formative at the end of the year. One summative at the end of the course.

**9. Participation of the department in the courses offered by other departments**

Pathology

**10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	1	1	1
<i>Associate Professor/Reader</i>	1	1	1
<i>Assistant Professor</i>	1	1	1
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>	2	2	2
<i>Senior Resident</i>	-	-	-

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. M. A. Mane	MBBS MD	Professor & HOD	Pathology-IHBT	16 Yrs
Dr. Mrs. S. S. Desai	MBBS MD	Associate Professor/Reader	Pathology-IHBT	14 yrs
Dr. V. A. More	MBBS MD	Associate Professor/Reader	Microbiology	5 yrs

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

Sr. No.	Name	Whether Visiting Fellows, adjunct faculty, emeritus professors
	-	

Nil

**13. Percentage of classes taken by temporary faculty – program-wise information**

Dept. has all Permanent faculty & no temporary faculty member hence not applicable.

**14. Program-wise Student Teacher Ratio**

Programme	Student-Teacher Ratio
M.D.	1:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	Sanctioned	Filled	Actual
<b>Academic Staff (technical) &amp; Administrative Staff</b>			
Artist	-	-	-
Technicians/ Technical Assistant	5	5	5
Stenographer	-	-	-
Record Clerk	-	-	-
Storekeeper	1	1	1
Lab.Attendant/Sweeper/Peon	2	2	2

**16. Research thrust areas as recognized by major funding agencies**

-

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Nil

**18. Inter-institutional collaborative projects and associated grants received**  
**d) National collaboration b) International collaboration**

Nil

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

Nil

**20. Research facility / centre with**

- **state recognition**
- **national recognition**
- **international recognition**

Nil

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Central Research Lab of University is recognized by BARC, ICMR, DST & DBT.

**22. Publications:**

10- International: 2, National: 5, Regional: 3

- \* **Number of papers published in peer reviewed journals (national / international):**

7

- \* **Monographs:**

Nil

- \* **Chapters in Books:**

Nil

- \* **Books edited:**

Nil

- \* **Books with ISBN with details of publishers:**

- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):**

- \* **Citation Index – range / average:.**

range/average: 3 & above

- \* **SNIP:**

- \* **SJR:**

- \* **Impact Factor – range / average:**

- \* **h-index:**

Sr. No.	Source Title	Indexing Agency Value	No. of articles
1	International journal of health science and research		7
2	Medical Journal D.Y.Patil University		3
3	Indian journal of medical Specialities		-
4	International Journal of Recent Trends in Science And Technology		-

Sr. No.	Source Title	Indexing Agency Value	No. of articles
5	Biomedicine		-
6	Indian Journal of Applied Research		-
8	Journal of Mid-life Health		-
9	International Journal of Advanced Research		-
10	Journal of Krishna institute of Medical Sciences University		-

**23. Details of patents and income generated**

Nil

**24. Areas of consultancy and income generated**

Nil

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Nil

**26. Faculty serving in**

**a) National committees b) International committees c) Editorial Boards**

Nil

**d) any other (specify)**

All faculties are the Members of Deccan Pathology Association, Kolhapur.

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

Nil

**28. Student projects**

2

- percentage of students who have taken up in-house projects including inter-departmental projects

100%

- percentage of students doing projects in collaboration with other universities / industry / institute

Nil

**29. Awards / recognitions received at the national and international level by**

- Faculty

Nil

- Doctoral / post doctoral fellows

Nil

- **Students**

Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Sr. No.	Date	Workshop Organized	Funding Source	Speakers
1	19 <sup>th</sup> March 2016	National Seminar on Andrology updates	Self funded	Dr. Satish Patki
2	3 <sup>rd</sup> & 4 <sup>th</sup> Jan 2015	6 <sup>th</sup> International seminar on recent advances in Oncopathology	ICMR	Dr. Jagmohan Sidhu Dr. Nirmala Jambekar Dr. Bharat Nathwani Dr. Bharat Rekhi Dr. Prashant Jani

**31. Code of ethics for research followed by the departments**

The research projects are cleared by institutional ethics committee.

**32. Student profile program-wise:**

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
-	-	-	-	-	-

**33. Diversity of students**

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MD Pathology 2016	-	-	-	-
MD Pathology 2015	-	-	-	-
MD Pathology 2014	100%	0%	0%	0%

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.**

Nil

**35. Student progression**

Student progression	Percentage against enrolled
UG to PG	90%
PG to M.Phil, DM / M Ch / DNB	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	0%
• Other than campus recruitment	10%
Entrepreneurs	90%

**36. Diversity of staff**

<i>Percentage of faculty who are graduates</i>	
<i>of the same university</i>	-
<i>from other universities within the State</i>	100 %
<i>from universities from other States</i>	Nil
<i>from universities outside the country</i>	Nil

**37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period**

Nil

**38. Present details of departmental infrastructural facilities with regard to****a) Library**

Books - 109

E- Book - -

Journal - 3

E- Journal - 2

**b) Internet facilities for staff and students**

Available-LAN Connectivity and Wi-Fi

**c) Total number of class rooms**

02

**d) Class rooms with ICT facility and 'smart' class rooms**

ICT facility – 06, Smart class rooms- 04

**e) Students' laboratories**

02

**f) Research laboratories**

02 (Central-1, Departmental-1)

**39. List of doctoral, post-doctoral students and Research Associates****a) from the host institution/university**

Nil

**b) from other institutions/universities**

Nil

**40. Number of post graduate students getting financial assistance from the university.**

Nil

**41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

No new program – Hence not applicable

**42. Does the department obtain feedback from**

**a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

**b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

**c. alumni and employers on the programs offered and how does the department utilize the feedback?**

**43. List the distinguished alumni of the department (maximum 10)**

Dr. Sheenam Sood-Transfusion Consultant, Kokilaben Hospital, Mumbai

**44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.**

- Guest Lectures- Heamophilia Society, Kolhapur Chapter.
- Conferences – as listed above
- Workshop on research methodology.
- SMART

**45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

Lectures, Tutorials, Seminars, Subject Seminar, Journal Club, Group Discussions, Slide seminar, Microteaching.

**46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

Knowledge

- Regularly conducted structured teaching program.
- Regular updating of the curriculum.

Skills

- Conduction & observation of students during practical exercise.
- Conduction of O.S.P.E. [Objective Structured Practical Evaluation].
- Procedures are demonstrated and later supervised.

Attitude:

- Emphasis on communication skills is done by all faculty during

conduction of various procedures.

- Students are trained to correlate clinical history with pathological findings.

#### Monitoring Learning Outcomes

- Assessments are regularly conducted.
- Attendance of students is monitored.
- Formative assessments help to understand the pace of student learning
- Discussions during teaching-learning sessions.
- Log book/ Practical record book/ journal are monitored.
- Regular monitoring of thesis, presentations, seminars and journal discussions by students helps the faculty to guide students based on their current understanding.
- Feedback

#### 47. Highlight the participation of students and faculty in extension activities.

- Blood Donation Camps, UMGS
- Women's day celebration
- Swachhha bhara abhiyaan

#### 48. Give details of "beyond syllabus scholarly activities" of the department.

Conferences attended by Dr. Amruta			
Sr. No.	Name of Conference	Date	Place
1	Transfusion Medicine Update-2014	12-05-2014	Manipal University
2	Transcon-2014	17to19-10-2014	Patiala
3	Transmedcon-2014	14to16-11-2014	Ahmedabad
4	Recent Concept in Transfusion Medicine	10&11-01-2015	PD Hinduja Hospital, Mumbai
5	Manipal University	25to24-09-2015	New Delhi
6	Second International Conclave of total quality management and recent trends in transfusion medicine	19to21-02-2016	Kokilaben Dhirubai Ambani Hospital, Mumbai
7	Transfusion Medicine Update-2016	26to28-08-2016	Pune
8	Transcon-2016	26to28-08-2016	Pune
Conferences attended by Dr. Sheenam Sood			
1	Transfusion Medicine Update-2014	12-05-2014	Manipal University
2	Transcon-2014	17to19-10-2014	Patiala
3	Transmedcon-2014	14to16-11-2014	Ahmedabad
4	Recent Concept in Transfusion Medicine	10&11-01-2015	PD Hinduja Hospital, Mumbai
5	Manipal University	25to24-09-2015	New Delhi
6	Second International Conclave of total quality management and recent trends in transfusion medicine	19to21-02-2016	Kokilaben Dhirubai Ambani Hospital, Mumbai
7	Transfusion Medicine Update-2016	26to28-08-2016	Manipal University
Conferences attended by Dr. Mane			
1	10th Annual AATM Conference	18to19-09-2014	Nepal
2	Transcon-2016	26to28-08-2016	Pune

**49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

The College is constituent unit of D.Y.P.University accredited 'A' grade by NAAC

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

This is done through research in projects and publication.

- Utility of special stains in pathology for disease diagnosis
- Publication of rare case report
- Conduction of workshops, CME's
- Correlate the clinical findings with laboratory findings in various disease

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strengths

- Registered Component Blood Bank
- Submission of ICMR project
- Presentation in conference
- Publication in indexed journal

Weaknesses

- National & International collaborations
- Getting Govt. sponsored projects.
- Industrial collaborations
- Publications with high impact factor

Opportunities

- To develop Institutional collaboration
- Fellowship courses
- Increase research collaborations with other centers.

Challenges

- Increase consultancies through the department
- Extension activities to be increased
- Improve quality of research
- NABL accreditation

**52. *Future plans of the department.***

Short term goal (5 years)

- Therapeutic plasma exchange
- Transfusion updates-National Conference
- Leyco reduction of components
- Automation in elisa & blood grouping

Long term plans (10 years)

- Stem Cell banking
- Accreditation of Blood Bank
- Plasma fractionation centre



**Evaluative Report of the Department**

**Centre for  
Interdisciplinary  
Research**

## Evaluative Report of the Department

**1. Name of the Department:**

Centre for Interdisciplinary Research (Department of Medical Physics and stem Cells and Regenerative Medicine)

**2. Year of establishment:**

2009

**3. Is the Department part of a college/Faculty of the university?**

Yes, Faculty of the University

**4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

Post Graduate Diploma, Post Graduation (M.Sc.) and Ph.D.

**5. Interdisciplinary programs and departments involved**

- M.Sc. (Medical Physics)
- M.Sc. (Stem Cells and Regenerative Medicine)
- Ph.D. in Physics, Chemistry, Biochemistry, Biotechnology, Microbiology, Human genetics, Stem cells and Regenerative Medicine, Environmental Health Science.
- Post Graduate Diploma: Stem Cells and Regenerative Medicine

**Other Departments involved:**

Department of :Medical Physics, Stem cell and Regenerative Medicine, Biochemistry, Microbiology, Pharmacology and pharmaceutical sciences, anatomy, physiology, medicine, obstetrics and gynecology, Pediatrics,

**Departments from other Universities/Institutes/centre:**

- Department of Microbiology, Regional Medical Research Centre (ICMR), Belagavi.
- Department of Chemistry, Shivaji University, Kolhapur.
- Department of Technology, Shivaji University, Kolhapur.

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

M.Sc. (Medical Physics), M.Sc. (Stem Cells and Regenerative Medicine) and Ph.D. courses are in collaboration with

- Kolhapur Cancer Centre, Kolhapur, MS,

- Shri Siddhivinayak Ganapati Cancer Hospital, Miraj, MS,
- Department of Chemistry, Shivaji University, Kolhapur, MS.
- Department of Technology, Shivaji University, Kolhapur, MS.
- Tatyasaheb Kore College of Pharmacy, Warananagar, Maharashtra
- Regional Medical Research Centre (ICMR), Belagavi, Karnataka

**7. Details of programs discontinued, if any, with reasons**

Nil

**8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**

M.Sc. - Semester, Ph.D.-Choice Based Credit System and PG Diploma-Annual

**9. Participation of the department in the courses offered by other departments**

Ph.D. course work and Ph.D. supervisors in interdisciplinary research.

**10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual (including CAS &amp; MPS)</i>
<i>Professor</i>	2	2	2
<i>Associate Professor/Reader</i>	1	1	1
<i>Assistant Professor</i>	5	5	5
<i>Lecturer</i>	-	-	-
<i>Tutor / Clinical Instructor</i>			
<i>Senior Resident</i>			

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>
Prof. S.H. Pawar	M.Sc., Ph.D. (Physics)	Distinguished Professor	Cancer nanotechnology	46
Prof. C.D. Lokhande	M.Sc., Ph.D. (Physics)	Dean of CIR, and Research Director	Materials Science	30
Dr. Meghnad G. Joshi	M.Sc., Ph.D. (Cell Biology) P.D.D.(Stem Cells)	Associate Professor and Head,	Stem Cells and Tissue Engineering	16
Dr. Manisha Phadatare	M.Sc., Ph.D. (Physics)	Assistant Professor	Cancer nanotechnology, Biomaterials	7
Dr. Indumathi	M.Sc., Ph.D.	Assistant	Reproductive Stem	8

<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>
Somasundaram	(Stem Cells Biology)	Professor	Cells biology and angiogenesis	
Dr. Arvind Gulbake	M. Pharm., Ph.D. (Pharmaceutical Sciences)	Assistant Professor	Novel drug delivery systems and drug targeting	8
Dr. Raghvendra Bohara	M.Sc., Ph.D. (Biochemistry)	Assistant Professor	Nanobiotechnology	5
Ms. Madhuri Anuje	M.Sc. (Medical Physics)	Assistant Professor	Medical Physics	2
Dr. Vishwajeet Khot (From 2014 to 2015)	M.Sc., Ph.D. (Physics)	Assistant Professor	Materials Science	1
Mrs. L. Padmavathi (From 2014 to 2016)	M.Sc. (Medical Physics)	Assistant Professor	Medical Physics	3
Mr. A. Raja (From 2015 to 2016)	M.Sc. (Medical Physics)	Assistant Professor	Medical Physics	1

### **12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**

<i>Sr. No.</i>	<i>Name</i>	<i>Whether Visiting Fellows, adjunct faculty, emeritus professors</i>
1	Dr. Samir Joshi, Consultant and Head, Department of Nuclear Medicine and Molecular Imaging, Shri Siddhivinayak Ganapati Cancer Hospital, Miraj	Adjunct Faculty
2	Mr. Rohidas Punde, Medical Physicist and RSO, Shri Siddhivinayak Ganapati Cancer Hospital, Miraj	Adjunct Faculty
3	Mr. Hemant Umbrani, Medical Physicist and RSO, Shri Siddhivinayak Ganapati Cancer Hospital, Miraj	Adjunct Faculty
4	Dr. Yogesh Anap, Chief Radiation Oncologist Department of Radiation Oncology, Kolhapur Cancer Center, Kolhapur	Adjunct Faculty
5	Mr. M. Thirunavukkarasu, Medical Physicist and RSO, Kolhapur Cancer Center, Kolhapur	Adjunct Faculty
6	Mr. Navin Medical Physicist, Kolhapur Cancer Center, Kolhapur	Adjunct Faculty
7	Prof. Ramesh Bhonde, Research Director, D.Y. Patil University, Pune & Former Dean, Manipal Institute of Regenerative Medicine, Bangalore.	Visiting Fellows
8	Dr. Udayan Aapte, Associate Professor, University of Kansas, USA	Visiting Fellows
9	Prof. Suchitra Sumitran Holgarsson, Professor, Gothenburg University, Gothenburg, Sweden	Visiting Fellows

**13. Percentage of classes taken by temporary faculty – program-wise information**

Nil

**14. Program-wise Student Teacher Ratio**

<i>Program</i>	<i>Student-Teacher Ratio</i>
M.Sc. (Medical Physics)	5:1
M.Sc. (Stem Cells and Regenerative Medicine)	5:1
PG Diploma (Stem Cells and Regenerative Medicine)	2:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	<i>Sanctioned</i>	<i>Filled</i>	<i>Actual</i>
<i>Academic Supportive Staff</i>	1	1	1
<i>Administrative Staff</i>	1	1	1

**16. Research thrust areas as recognized by major funding agencies**

- Cancer Nanotechnology (DST)
- Molecular Markers of Stem Cells (DST)
- Magnetic Nanoparticles (DST)
- Biosensors (DST)
- Radiation Detection (DAE-BRNS)
- Targeted Drug delivery (DST)
- Cancer Biomarkers (DST)
- NanoBiotechnology (DST)
- Medical Electronics (DST)
- Biomaterials (DST)
- Magnetic Refrigeration (DST)
- Solid oxide Fuel Cell (DRDO)
- Magnetotactic Bacteria (DST)
- Nanoscaffolds (UGC)
- Photochemical Transformation (UGC)
- Solar Energy (DST)
- Anti-cancer Drugs (DST)

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

a) Number of National on-going projects: (17)

S.N.	Total grants Rs. received (in lakh)	Names of the funding agencies	Project Title
1.	50.44	BRNS, Mumbai	“Studies on Establishment of Baseline Levels of Radiation & Radioactivity and Assessment of Radiation Doses Due to Natural and Fallout Radioactivity Around JNPP up to A Distance Of 30 Km From Site” (Prof S.H. Pawar; 2009-2013)
2.	24.59	DST, New Delhi	“Soft Electronical Processing of MnAs Based Nanocomposites for Near Room Temperature Magnetic Refrigeration” (Prof S.H. Pawar; 2011-2013)
3.	4.81	DRDO, New Delhi	“Fabrication and performance studies of co-planar single chamber SmSrCoO <sub>3</sub> /BiCuVOx/Ni-SDC SOFC unit cell” (Prof S.H. Pawar;2012-2013)
4.	17.00	DST, New Delhi	“Studies on Synthesis of CoFe <sub>2</sub> O <sub>4</sub> magnetic nanoparticles using magnetotactic bacteria for biomedical applications” (Prof S.H. Pawar; 2010-2013)
5.	83.10	DST, New Delhi	“Development of an electrochemical immunosensor using functionalized magnetic nanoparticles for detection of tumor markers” (Prof S.H. Pawar; 2011-2014)
6.	36.31	DST-SERB	“Major histocompatibility complex class I related antigen A and B (MIC A/B): Biomarker study for cancer” (Dr. M.G. Joshi; 2015-2018)
7.	36.00	DST, New Delhi	Supercapacitor with rare earth metal sulfides/graphene hybrid thin films: fabrication and performance evaluation. Prof. C.D. Lokhande (2017-2020)
8.	32.84	DST-SERB, New Delhi	Solid lipid encapsulated magnetic nanoparticle based hyperthermia and dual drug therapy for colon cancer. Dr. Arvind Gulbake (2017-2020)
9.	86.00	DST-Inspire Faculty Fellow	Thin film supercapacitor. Dr. U.M. Patil(2017-2022)
10.	2.20	DYPU, Kolhapur	Microarray profiling of human endometrium biopsies: identifying stem cells/angiogenic regime in dysfunctional uterine bleeding. <b>PI</b> -Dr. Indumathi Somasundaram
11.	6.95	DYPU, Kolhapur	Study the surface engineered lipid Nanoparticles for site specific delivery to overcome cancer drug resistance mechanism. Dr. Arvind Gulbake
12.	4.90	DYPU, Kolhapur	Multimodal Superparamagnetic Cobalt Zinc Ferrite Nanoparticles for Magnetic Hyperthermia Based Theranostic for Cancer

S.N.	Total grants Rs. received (in lakh)	Names of the funding agencies	Project Title
13.	3.36	DYPU, Kolhapur	The development of tissue engineered vascular constructs. Dr. M.G. Joshi
14.	8.37	CSIR-SRF, New Delhi 16.04.2012	“Studies on Synthesis of Mg-Mn Ferrite Nanoparticles by Chemical Route for Hyperthermia therapy applications” (Mr. Vishwajeet Khot (CSIR-SRF) under the guidance of Prof S.H. Pawar; 2012-2013)
15.	10.44	UGC, New Delhi 06.06.2012	“Study of PU/PVDF Nanoscaffolds Loaded with Anti-Microbial Agents for Wound Dressing Application?” (Ms. Jagruti Meshram (RGNF) under the guidance of Prof S.H. Pawar (2012-present)
16.	18.942	UGC –NET-JRF UGC, New Delhi	Biological synthesis of selenium nanoparticles and evaluation of their antimicrobial activity (Mr. Nayeem Mulla under the guidance of Prof S.H. Pawar 2013-2018)
17.	19.60	DST INSPIRE Fellow	“Studies on development on unistain probiotics for Anticancer & Antioxidant activity “ (Mr. Abhinadan Patil under the guidance of Prof S.H. Pawar and Dr. John Disouza 2014-2019)
<b>Total Amount (in Lakh)</b>			<b>445.852</b>

**Travel Grant**

Sr. No	Year	Name of Student	Funding Agency	Amount Sanctioned/ Received
1	2012	Mr. N.D. Thorat	SERB, New Delhi	65,000/-
2	2013	Mr. Hemraj Yadav	SERB, New Delhi	63,000/-
3	2014	Mr. Sachin Otari	SERB, New Delhi	64,000/-
4	2015	Mr. Raghvendra Bohara	SERB, New Delhi	58,000/-
5	2016	Mr. Valmiki Koli	SERB, New Delhi, INSA, New Delhi	66,000/-
6	2017	Ms. Jagruti Meshram	SERB, New Delhi	80,000/-
Total amount				396000/-

**b) No. of International On-going projects:**

S.N.	Total grants Rs. received (in lakh)	Names of the funding agencies	Project title
1.	6.00	British Council Dated 07 February, 2014	“The South Asia – Anglia Partnership – working together to collaborate, innovate and enhance internationalization of the student experience” (Prof S.H. Pawar; 2014-2016)
2.	10.00	Prof. Marcel Blot-Chabaud, Inserm UMR-S 1076 Aix-Marseille University, Marseille, France, 2016-2018	“Role of Melanoma cell adhesion molecule in endometrial stem cell proliferation, differentiation and angiogenesis”
<b>Total Grant</b>		16 lakhs	

**c. Total Grant:**

(National + International )

(a + b) = 461.852 lakhs

**18. Inter-institutional collaborative projects and associated grants received**

**a) National collaboration**

Prof. S.H. Pawar, D.Y. Patil University, Kolhapur & Dr. M.P. Chougankar, Bhabha Atomic Research Centre, Mumbai (BRNS-DAE: Rs. 50.44 Lakhs) [2009-2013]

**b) International collaboration**

“The South Asia – Anglia Partnership – working together to collaborate, innovate and enhance internationalization of the student experience” D.Y. Patil University, Kolhapur and Anglia Ruskin University (British Council: Rs. 6 Lakhs) [2014].

**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

Nil

**20. Research facility / centre with**

• **state recognition :**

Yes

• **national recognition :**

Yes (M.Sc. Med. Phy. Approved by Atomic Energy Regulatory Board, Govt. of India)

• **international recognition :** Yes

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications:**

\* **Number of papers published in peer reviewed journals (national / international):**

158

\* **Monographs:**

Nil

\* **Chapters in Books:**

8

\* **Books edited:**

1

\* **Books with ISBN with details of publishers:**

6

- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):**

118

- \* **Citation Index – range / average:**

1824 (Scopus)

- \* **SNIP:**

54

- \* **SJR:**

54

- \* **Impact Factor – range / average:**

0.5-7.2

- \* **h-index:**

25

- \* **Faculty wise details (As per Google Scholar on 7th March 2017)**

Sr. No.	Name of the Faculty	Citations	h-index	i10-index
1	Prof. S.H. Pawar	3022	27	99
2	Prof. C.D. Lokhande	17628	69	339
3	Dr. Manisha Phadatare	384	12	12
4	Dr. Meghnad Joshi	199	9	8
5	Dr. Arvind Gulbake	387	12	14
6	Dr. Indumathi Somasundaram	218	9	8
7	Dr. Raghvendra A. Bohara	175	8	8

### 23. Details of patents and income generated

International Patents accepted: 2

Indian Patent Filled 10

- Synthesis of Biocompatible Nanofluids based on  $Ni_{0.5}Zn_{0.5}Fe_2O_4$  Nanoparticles for Cancer Hyperthermia therapy, M.R. Phadatare and Shivaji H.Pawar, Patent number- 2251/MUM/2014.
- Preparation of Nanofluid based on core shell ferromagnetic nanoparticles. Patent number-V. M. Khot and Shivaji H. Pawar 2252/MUM/2014.
- Scaffolds of Umbilical cord for tissue engineering and preparation method thereof. Sneha Khumbar and Shivaji H Pawar. Patent number-3247/MUM/2015.
- Extraction Method of nucleic acids using salicylic acid magnetic nanoparticles. Arpita Tiwari and Shivaji H Pawar Patent number-4579/MUM/2015

- A functionalized nanoparticle for detection and separation of microbes, Raghvendra A Bohara and Shivaji H Pawar. patent number is 201621009050
- A method of treatment of fluids with the functionalized cobalt ferrite magnetized nanoparticles. Raghvendra A Bohara and Shivaji H Pawar. patent number is 201621009051
- A light sensitive anti-microbial nanocomposite composed of chitosan and doped metal oxide nanoparticles, S. H. Pawar and A. V. Raut, patent number is 201621015192
- Preparation of nano-polymer for the treatment of non-healing and diabetic wounds and tissue engineering application. Dr. Meghnad Joshi, Ms Yogita Velankar and Mr Allauddin Mujawar. July 20 2014. The patent application number: 2253/MUM/2014.
- Unique Composition of Mesenchymal Stem Cells (MSCs) and Platelet Rich Plasma (PRP) for the Treatment of Osteoarthritis (OA). July 17, 2012. The patent application number: 2054/MUM/2012 A. The international classification number: A61K 35/00.
- Advance Process for Avascular Necrosis Treatment Using Autologous Bone Marrow Derived Mesenchymal Stem Cells (BMMSCs) and Platelet Rich Plasma (PRP) Combination. The patent application number: 3727/MUM/2012.
- Preparation of nano-polymer for the treatment of non-healing and diabetic wounds and tissue engineering application. July 20 2014. The patent application number: 2253/MUM/2014.

#### 24. Areas of consultancy and income generated

Sr. No.	Area of Consultancy	Income Generated (in Rs.)
1.	Departmental Instrumentation Facility	14,400/-
2.	Testing for anticancer activity of drug (Kolhapur Institute of Technology, Kolhapur)	40,000/-
3.	Testing for anticancer activity of plant extract (Yashwantrao Chavan College of Science)	10,000/-
4.	Stem cells characterization	20,000/-
<b>Total</b>		<b>84,000-00</b>

#### 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

S. N.	Name of the Faculty	National /International
1.	Prof. S.H. Pawar	International & National
2.	Prof. C.D. Lokhande	International & National
3.	Dr. Meghnad G. Joshi	International & National

**26. Faculty serving in****a) National committees****b) International committees****c) Editorial Boards****d) any other (specify)**

S. N.	Faculty	Serving in a) National committees b) International committees c) Editorial Boards d) any other (specify)
1	Prof S.H. Pawar	<ul style="list-style-type: none"> <li>Member, Maharashtra Academy of Sciences</li> <li>Member, Indian Cryogenic Council, Kolkata.</li> <li>Member, Materials Research Society of India, Bangalore.</li> <li>Member, Luminescence Society of India, Baroda.</li> <li>Member, Indian Photobiology Society- Kolkata.</li> <li>Member, Solar Energy Society- Delhi.</li> <li>Member, Marathi Vidnyan Parishad- Mumbai</li> </ul>
2	Prof. C.D. Lokhande	<ul style="list-style-type: none"> <li>Executive Member, Maharashtra Academy of Sciences</li> <li>Member, Materials Research Society of India, Bangalore.</li> <li>Member, Marathi Vidnyan Parishad- Mumbai</li> <li>Member, Research project evaluation and recommendation Committee, UGC, New Delhi (2012)</li> <li>Treasurer, Maharashtra Academy of Sciences (2012) ( Kolhapur chapter)</li> <li>Expert member, DST Committee on Hydrogen Production (2012)</li> <li>Distinguished visiting professor in polymer chemistry, Inst of Chemical Technology, Mumbai (2012)</li> <li>Chairman, Advisory committee, Asian conference on solar energy (August 2013), Malaysia</li> <li>Chairman, Advisory committee, Conference on solar energy (March 2013), Nigeria</li> <li>Chancellor nominee at Dr Babasaheb Ambedkar Marathwada University, Aurangabad, RIT Islampur and Walchand College Sangli ( 2014-19)</li> </ul>
3	Dr. Meghnad G. Joshi	<ul style="list-style-type: none"> <li>Member, Institutional committee for Stem Cell Research and Therapy.</li> <li>Member, Indian Council of Medical Research, Stem Cell Committee.</li> <li>Scientific Advisor, Indian Stem Cell Study group.</li> </ul>
4	Dr. Manisha Phadatare	<ul style="list-style-type: none"> <li>Member, Magnetic Society of India</li> <li>Mentor, Malhotra WeikField Foundation, Pune.</li> </ul>
5	Dr. Indumathi S	<ul style="list-style-type: none"> <li>Member, Institutional committee for Stem Cell Research and Therapy</li> <li>Biological Scientist, Institutional Animal ethical committee.</li> </ul>
6	Dr. R.A. Bohara	<ul style="list-style-type: none"> <li>Member of Editorial Board and Associate Editor, Biochemistry and Biophysics Reports, Elsevier.</li> <li>Associate Editor, MJDYPU</li> </ul>
7	Dr. Arvind Gulbake	<ul style="list-style-type: none"> <li>Member Secretary, Institutional Bio-safety committee, DBT New Delhi.</li> <li>Member Editorial Board, MJDYPU</li> </ul>

**27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

Dr. Manisha Phadatare has completed International Training Program on “Leadership and Career Development for Women Scientist & Technologists” on 28 August -1 September 2015 at Indian Institute of Science Education and Research (IISER), Pune organized by Department of Science and Technology, India, Indo-U.S. Science and Technology Forum, COACH International, USA and IISER, Pune.

**28. Student projects**

- **percentage of students who have taken up in-house projects including inter-departmental projects**

50 % students are doing in- house projects

- **percentage of students doing projects in collaboration with other universities / industry / institute**

50 % students are doing projects in collaboration with other universities

**29. Awards / recognitions received at the national and international level by Faculty :**

Prof. S. H. Pawar

- honored by “Swami Vivekananda National Award-2015” organized by Yuva Samuha Wardha for contribution in higher education system.
- has been Sanctioned Financial Assistance for participating in Mini-Micro-Nano-Dosimetry and Innovation Technologies in Radiation Oncology in Hobart, Tasmania.
- has been awarded the title of ‘Best Manager of the year’ in science and education sphere by the Europe Business Assembly-The Club of Rectors of Europe during 16<sup>th</sup> to 19<sup>th</sup> December 2013 at Oxford (UK).
- Chief Guest for Valedictory Function of International Conference on “Advances in Computing and Management”, held on 8th January, 2012 organised by Padmashree Dr. D. Y. Patil Institute of Master of Computer Applications, Akurdi, Pune
- Invited Talk at “International Conference on Cancer Prevention, Diagnosis & Treatment”, held on January 21-22, 2012 organised by University of Rajasthan, Jaipur
- Chief Guest for Inaugural Function of National Workshop on “Fundamentals of Nanotechnology”, held on February 10-11, 2012 organised by Lokmangal Biotechnology College, Wadala, Solapur

- Invited Talk in “National Workshop on Global Trends in Medical Education Technology”( GLOBMET – 2012 ) 26- 27 March, 2012 Pune
- has been awarded *Vasantdada Kale Pratishthan Purskar* for Excellence in Education Achievements on 08<sup>th</sup> February, 2013
- Key Note address in “Indo-Bhutan International Conference on Advances in Environmental Sciences” at Sherubtse College, Royal University of Bhutan, Kanglung, Bhutan on 12<sup>th</sup> May, 2012
- Chaired session in Association of Indian Universities meeting arranged on 13 & 14 September, 2012 at D. Y. Patil University, Mumbai.
- Vice-Chancellor was amongst the nine distinguished Vice-Chancellors who were past students of Shivaji University, Kolhapur, were decorated with scroll of Honour during 50<sup>th</sup> year celebrations of the Shivaji University, Kolhapur by Hon’ble Minister Shri. Sharadraoji Pawar during valedictory function on 21<sup>st</sup> January, 2013

Dr. Sachin Kadam

- Awarded with distinguish Scientist Award by Society for Bioinformatics and Biological Sciences, India for year 2015.

Dr. Arvind Gulbake

- Awarded with Best Oral presentation Award in 2<sup>nd</sup> International Conference INNOPHARM2 Bridging Innovations in Pharmaceutical, Medical and Bio Sciences, MPCST, Bhopal, India, Feb 2017.

Prof. C.D. Lokhande

- Invited talk at Yonsei University, South Korea.
- Invited talk at 1<sup>st</sup> National conference on Emerging trends in Chemistry and Materials science Belgaum, Karnataka.
- Invited talk at Ewha Woman’s University, South Korea.
- Invited talk at Yeungnam University, South Korea.
- Invited talk at Chonnam National University, South Korea.
- Invited talk at Vyas Institute of Engineering and Technology, Jodhpur.
- Invited talk at Hanyang University, South Korea.
- Invited talk at 3<sup>rd</sup> International Workshop on Renewable Energy for Sustainable development in Africa, Enugu, Nigeria.
- Invited talk at National conference on Materials for Future Technology, Rajaram Collage, Kolhapur.

***Doctoral / post doctoral fellows***

- Mr. Vishwajeet Khot was awarded with CSIR-SRF for year 2012-14.
- Ms. Manisha Phadatare was awarded with Malhotra Weikfield Foundation-Fellowship for Ph.D. Course in Nano-Physics

- Mr. N. D. Thorat was awarded International Travel Support for Young Scientist by DST New Delhi to attend International Conference Material Research Society, Singapore -2013.
- Mr. Hemraj Yadav was awarded International Travel Support for Young Scientist by DST New Delhi to attend International Conference Nano Korea -2014.
- Dr. Raghvendra Bohara was awarded with Best oral presentation in National Conference on “Recent Trends in Interdisciplinary Research in Material Science 2014” at Annasaheb Dange College of Engineering & Technology, Ashta, Sangli, Maharashtra, India
- Dr. Raghvendra Bohara was awarded International Travel Support for Young Scientist by DST New Delhi to attend International Conference Nano Korea -2015.
- Dr. Raghvendra Bohara was awarded ICMR- Postdoctoral Award for the year 2016-2017
- Mr. Deepak Sawant was awarded with 3rd prize for poster presentation in International Conference on 3rd and 4th January 2015, at D.Y.PATIL, University kolhapur.
- Ms. Jagruthi Meshram was awarded with Rajiv Gandhi Research Fellowship- UGC, for PhD since 2012.
- Mr. Nayeem Mulla was awarded with UGC-JRF, New Delhi for Ph.D. since 2013.
- Mr. Shivaji B. Kashte was awarded with UGC-SRF, New Delhi for Ph.D. since 2016.
- AIU conducted this Research Convention at zonal level at five zones. Mr. Abhinandan Patil stood first at west zone level conducted at Maharaja Gangasing University, Bikaner, Rajasthan (2015-16).
- Mr. Valmiki Koli was selected to participate in AIU Anveshan-2016, at zonal level at Maharaja Gangasing University, Bikaner, Rajasthan.
- Apurva Kodollikar, Best Poster Award for the Poster presented on “Inherent Angiogenic ability of endometrial stem cells: Their Implications in treating vascular diseases” at “International conference on Stem cells and cancer (ICSCC-2016)
- Recipient of third prize in Poster presentation at AIU Anveshan 2015-16 at Central level Anand, Gujrat for “Epitope analyser for colorectal cancer”. March 2016. Mr. Abhinandan Patil
- First prize in oral presentation organized as one day National Conference on 'Emerging Trends And Classical In Life Sciences' organized by Department of Botany and Zoology at Warananagar, Dist. Kolhapur, Maharashtra on 28 Jan. 2017. Mr. Abhinandan Patil
- Won Best paper award at International Conference, on Infectious disease at 5th Indo-Japanese symposium, Tokyo Japan. 2014. Mr. Abhinandan Patil.

- AIU conducted this Research Convention at zonal level at five zones. Mr. Abhinandan Patil stood second at west zone level conducted at NIIMS Rajasthan (2016-17).

### ***PG Students***

- Mr. Saddam Pathan, Best Poster Award at National Conference on Convergence of Stem Cell and Nanotechnology (CSCN 2015) conducted by Center for Interdisciplinary Research, D. Y. Patil University, Kolhapur
- Mr. Saurabh Pise was selected to participate in AIU ANVESHAN 2016, UGC (Research Convention) at zonal level at Maharaja Gangasing University, Bikaner, Rajasthan.

### ***30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.***

S.N.	Title	Date	External Funding Agencies	Number of Participants/benefitters
1.	Research Methodology Workshop	4 <sup>th</sup> September, 2012	-	150
2.	National Workshop on “Ph.D. Programmes for Medical Innovations”, (PPMI-2012),	18-19 October, 2012	-	200
3.	Science and Technology Emerging Lecture Series: National Lecture by Prof. (Dr.) Kishor Taori, President, Maharashtra Medical Council, Mumbai	22 <sup>nd</sup> October, 2012	-	250
4.	Research Methodology Workshop	03 <sup>rd</sup> September, 2013	-	150
5.	International Workshop on Ph.D. Programme for Medical Innovations	16 <sup>th</sup> -17 <sup>th</sup> February, 2014	ICMR- Rs.50,000/-	65
6.	National Conference, Convergence of Stem cells and Medical Nanotechnology	(2nd & 3rd September, 2015)	ICMR: Rs. 50,000, MCI: 40,000 MMC-04 Credit Points	150
7.	National Workshop on Stem Cell, Molecular Biology and Bioinformatics (SMB-2016)	9 <sup>th</sup> & 10 <sup>th</sup> of July, 2016	-	120
8.	Workshop on “Prime Minister’ Fellowship Scheme for Doctoral Research” by DST-CII, Delhi at D.Y. Patil University, Kolhapur	25 <sup>th</sup> November, 2016	Sponsorer: DST (Rs. 1,50,000)	130

**31. Code of ethics for research followed by the departments**

- As per the University Norms.
- On-line plagiarism checking of Ph. D. thesis and research papers before submission.
- Institutional Ethics Committee and Animal Ethics Committee, Institutional Bio-safety Committee, Institutional Ethical Committee for stem cell research and therapy.

**32. Student profile program-wise:**

Name of the Program (refer to question no. 4)	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
Ph.D.	2012	8	7		
	2013	3	1		
	2014	13	4		
	2015	2	7		
	2016	7	8		
M.Sc.(Medical Physics)	2012	1	2	100%	100%
	2013	10	-	60%	
	2014	8	2	50%	100%
	2015	-	-		
	2016	6	5		
M.sc. (Stem Cells and Regenerative Medicine)	2012	6	2	83%	100%
	2013	3	7	100%	100%
	2014	5	5	60%	100%
	2015	1	1		-
	2016	2	1		-
PG Diploma (Stem cells and Regenerative Medicine)	2016	4	4		-

**33. Diversity of students**

Name of the Program (refer to question no. 4)	Year	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Ph.D.	2012	-	100	-	-
	2013	-	100	-	-
	2014	19	62	19	-
	2015	-	67	33	-
	2016	13	74	13	-
M.Sc. (Medical Physics)	2012	-	100	-	-
	2013	-	90	-	10
	2014	-	100	-	-
	2015	-	-	-	-
	2016	-	82	18	-
M.Sc. (Stem cell and Regenerative Medicine)	2012	-	100	-	-
	2013	-	100	-	-
	2014	-	100	-	-
	2015	-	100	-	-
	2016	-	100	-	-
P.G. Diploma in Stem cell and Regenerative Medicine	2016	-	37	63	-

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.**

S. N.	Name of the Examination	Name of the Student
1.	Competency examination taken by AERB	1. Ms. Madhuri Anuje (May 2015) 2. Ms. Pooja Patil (May 2015) 3. Mr. Avinash Chechare (Oct. 2015) 4. Mr. Rupesh Pagare (Oct. 2015) 5. Mr. Sachin Pawale (Oct. 2015) 6. Mr. Vikram Mane (Sept. 2015)
2.	MPSC Examination	1. Mr. Rakesh Patil (2011) 2. Ms. Rupali Patil (2012) 3. Dr. Ashwini Salunkhe (2016)
3.	SET Examination	1. Ms. Seema Dhawal (2015) 2. Mr. Nayeem Mulla (2013)
4.	GATE Examination	1. Mr. Nayeem Mulla (2012)
5.	NET Examination	1. Mr. Nayeem Mulla (NET-JRF 2012) 2. Ms. Poonam Bedge (NET-LS 2012) 3. Mr. Shivaji B. Kaste (NET-JRF 2012)
6.	GPAT Examination	1. Mr. Abhinandan Patil (2014)
7.	IELTS Examination	1. Mr. Tejas Marshale (2015)
8.	RSO	1. Ms. Madhuri Anuje (Jan 2017)

**35. Student progression**

Student Progression	Percentage Against Enrolled
UG to PG	-
PG to M.Phil, DM / M Ch / DNB	-
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	40%
Employed	
• Campus selection	35%
• Other than campus recruitment	60%
Entrepreneurs	-

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	37%
from other universities within the State	26%
from universities from other States	37%
from universities outside the country	-

**37. Number of faculty who were awarded M.Phil., DM, M.Ch., Ph.D., D.Sc. and D.Litt. during the assessment period**

Ms. Madhuri Anuje, registered for Ph.D. in Medical Physics, DYPU, Kolhapur

**38. Present details of departmental infrastructural facilities with regard to**

**a) Library**

Departmental Library more than 150 books, e-books, dissertations, thesis, e-Journals and e-magazines.

**b) Internet facilities for staff and students:**

Wi-fi for the Department

**c) Total number of class rooms**

3

**d) Class rooms with ICT facility**

1

**e) Students' laboratories**

4

**f) Research laboratories**

4

**39. List of doctoral, post-doctoral students and Research Associates**

**Doctoral Students**

**a) from the host institution/university**

3

- Ms. Madhuri P. Anuje (2014)
- Mrs. Kshirsagar Jivita Ravi (2016)
- Mr. Tardalkar Kishor Raghunath (2016)

**b) from other institutions/universities – 45**

- Ms. Shruti Deepak Deshkar (2012)
- Ms. Shilpa Bhagwatrao Biradar, (2012)
- Ms. Priti Ravishankar Ghute- Patil (2012)
- Mr. Valmiki Balu Koli (2012)
- Mr. Aviraj Ramchandra Kuldeep (2012)
- Mrs. Ashalata Jalandar Mane (2012)
- Ms. Jagruti Vimalkirti Meshram (2012)
- Mrs. Priyanka Popat Patil (2012)
- Mr. Raghvendra Ashok Bohara (2012)
- Ms. Tejaswini Ramesh Shinde (2012)
- Mrs. Vairat Vijaylaxmi Maruti (2012)
- Mr. Hemraj Mahipati Yadav (2012)
- Dr. Vilas Anandrao More (2012)
- Dr. Amit Burande (2012)
- Dr. Mrs. Meeta Amit Burande (2013)
- Dr. Jadhav Vikas Balasaheb (2013)
- Dr. Baad Rajendra Krishna (2013)
- Ms. Misal Nandini Sayajirao (2013)
- Mr. Amar Babaso Nikam (2013)
- Sonar Prashant A. (2014)
- N. Munirathinam (2014)
- A. David Perianayagam (2014)

- Darade Milind M. (2014)
- Kumbhar Santosh D. (2014)
- Gaji Annaso B. (2014)
- Dr.Patil Snehdeep S. (2014)
- Dr. Gune Anita R. (2014)
- Dr.Kulkarni Suhas P. (2014)
- Dr.Karmalkar Arun S (2014)
- Sawant Deepak V. (2014)
- Patil Abhinandan R. (2014)
- Singh Priyanka (2014)
- Mulla Nayeem A. (2014)
- Dr.Patil Sunita S. (2014)
- Dr.Dahilkar Rupesh Panjabrao (2014)
- Mr. Jadhav Ananda R. (2015)
- Ms. Amanjot Kour (2015)
- Mr. Thirunavukkarasu Mani (2015)
- Ms. Mahadik Ashvini P. (2015)
- Ms. Kadam Sujata R. (2015)
- Mrs. Momin Taihaseen Mehbubali (2015)
- Ms. Satpute Supriya P. (2015)
- Ms. Vaishali A. Mane (2015)
- Ms. Aruna Yadav (2015)
- Mr. Shivaji B. Kashte (2016)

**40. Number of post graduate students getting financial assistance from the university.**

Concession in Fee; **05** (Ms. Madhuri Anuje, Dr. Dipak Takmare, Ms. Nita Magdum, Ms. Archana Mane, Mr. Dayanand Tembhugade)

**41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

Yes, we have received feedback forms in the conference in order to start the new courses. Discussion took place in departmental meetings and committee was setup to frame the syllabus which was approved by BOS, Academic council and BOM. Based on this we have started PG Diploma in Stem Cells and Regenerative Medicine and planning to start M.Sc. (Medical Biotechnology), M.Sc. Applied Physics (Medical), PG Diploma in Nanobiotechnology.

**42. Does the department obtain feedback from**

**d. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes. We discuss these issues in faculty meetings and modify the PG syllabi taking advantage of academic flexibility.

***e. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?***

Yes. The departments received feedback from students and analyzed in departmental meetings and further action or corrective measures are taken.

***f. Alumni and employers on the programs offered and how does the department utilize the feedback?***

Yes. We get feedback from alumni during meetings, via e-mail, discussion, etc. and accordingly we are planning to introduce new programs.

***43. List the distinguished alumni of the department (maximum 10)***

- Dr. Manisha Phadatare, Assistant Professor and Coordinator, Department of Medical Physics, Center for interdisciplinary research, D.Y. Patil University, Kolhapur.
- Dr. Raghvendra Bohara, Assistant Professor and Incharge RICH cell, Center for interdisciplinary research, D.Y. Patil University, Kolhapur.
- Dr. Rakesh Patil, Asst. Chemical Analyser, DNA Div. Forensic Science Laboratory, Govt. of Maharashtra Kalina, Mumbai
- Dr. N.D. Thorat, Irish Research Council Postdoctoral Fellow, University of Limerick, Ireland
- Dr. Ashwini Salunkhe, Assistant Professor, Department of Physics, Elphinston College, Mumbai
- Dr. Vishwajeet Khot, Assistant Professor and Dean Academics, D.Y. Patil Engineering College, Akurdi, Pune
- Dr. Hemraj Yadav, Postdoctoral Fellow, Department of Materials Science & Engineering, University of Seoul, Seoul 130-743, Korea
- Dr. Sachin Otari, Brain-Pool- Research Fellow, Department of Chemical Engineering, Konkuk University, Seoul, South Korea
- Dr. Sonali Ruhiwal, Postdoc fellow, Laboratory of Cell regeneration and Plasticity, Institute of animal Physiology and Genetics, Czech Republic.
- Mr. Rupesh Pagare, Medical Physicist, Nirali Memorial radiation centre, Bharat Cancer Hospital & Research Institute, Surat.

**44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.**

Workshops on following topics were arranged involving external experts

- Competency Examination and RSO exam of M.Sc. Medical Physics students. (2014-2016)
- NET preparation for Masters students (2014-2016)
- Research Methodology for Ph.D. students (2012-2016)
- Annual Meet on Advanced Research

**45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

- Black board
- Power point
- On-line lectures
- E-learning
- Animations and Video conferencing
- Cafeteria method

**46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

P.G. students:

- Monitoring by internal examination, tutorials, seminars, assignments and journal clubs.
- Evaluation of project reports and practical journals
- Personal and group discussions with students.
- Encouraging students to appear for NET/SET/GATE and other competitive examinations.

Research Students:

- Quality based research publications and patents
- Monitoring through Citation index and h-index
- Placement as Post Doc/RA, Asst. professors and Industry-academic placements.

**47. Highlight the participation of students and faculty in extension activities.**

- Tree plantation
- Department beautification
- Shramdan
- Important days (Republic day, Independence day, Gurupornima, Teacher's Day, International Medical Physics Day, International stem cell day, International Women's Day, World health day, World AIDS day)
- Popular lectures on science topics
- Participation in activities like Anveshan, conferences, journal clubs, Science Day exhibition
- Organization of Alumni meet
- Students' visit to Library and Departmental Research Labs.

**48. Give details of "beyond syllabus scholarly activities" of the department.**

- Student participation in organizing National and International Conferences, workshops, seminars etc.
- Research paper presentations
- Anveshan
- COURT
- Sophisticated Instrumentation facility run by research scholars for external and internal purposes
- Lectures on plagiarism, research methodology, IPR etc
- Invited talks in conferences and various fellowship schemes
- Posters and display boards of scientific events.

**49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

- M.Sc. Medical Physics course (Approved by Atomic Energy Regulatory Board (AERB), Government of India)

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Synthesis of novel bio-materials
- Biomedical devices based on sensor, supercapacitors, DNA isolation.
- Patent filling on new applications.
- Use of new materials for biomedical applications such as magnetic hyperthermia, biosensor, tissue engineering, drug delivery etc.

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strengths:

- Strong in Interdisciplinary Research
- Skilled Manpower
- Strong characterization facilities in the Department itself.
- Good number of Individual projects funding
- Strong international linkage through collaboration, MOU and post doctoral students

Weaknesses:

- Inadequate infrastructure (space, laboratory, furniture etc.)
- Insufficient supporting staff
- Low percentage of NET/SET qualified students
- Inadequate consultancy programmes
- Few faculties have less international interaction.

Opportunities:

- Scope for introducing a few new more need based courses.
- Establishing Department- Industry interaction through consultancy cell.
- Scope for teaching and learning collaborative programs through MoUs.
- To develop the Department as DST-FIST supported department
- Placement of the students in industries/ hospitals through campus selection.

Challenges:

- Improvement in NET/SET/RSO results.
- Maintain the research quality of Department.
- Maintenance of sophisticated instruments.
- Starting of new specialization in Interdisciplinary courses.
- To cater the needs of industries by producing trained manpower to enhance their productivity.

## 52. *Future plans of the department.*

Short Term (5 Years : 2017-2022)

Teaching

- Advanced courses in nanobiotechnology, Stem cells, Medical Biotechnology and biomaterials.
- Specialization in new courses based on interdisciplinary research.
- Introduction of CBCS in few interdisciplinary courses.
- Modernization of class rooms (smart classroom)
- Improvement of bio nanomaterial synthesis lab.
- Improvement of laboratory for cell line repository, in-vitro studies and in-vivo animal model studies.
- Improvement of department website.

Short Term (5 Years: 2017-2022)

Research and development

- Submission of projects to funding agencies (DST, UGC, DRDO, CSIR, DAE etc.)
- Modernization of Research laboratories.
- Invite eminent professors and scientists for guest lectures.
- Collaborative programs of faculty and students both in India and abroad.
- Advanced work on magnetic hyperthermia, biosensor, tissue engineering, drug delivery, cancer therapy, stem cells etc.

Long Term (10 Years: 2017-2027)

- Development of nano biomaterials for medical and drug delivery applications
- Devices fabrication for biomedical applications.
- Green routes for nano biomaterials synthesis.
- Exhibition of new materials, products and patents.
- Development of Scaffold for artificial organs.
- Departmental data library on new biomaterials, tissue-engineered scaffolds and stem cell applications
- Industry consultancy and analysis cell
- Approved experimental clinical trial on stem cell disease and applications