



## **BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY)**

**MEDICAL COLLEGE, PUNE-411043.**

### **PG ADMISSIONS 2019**

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Bharati Vidyapeeth Deemed to be university medical college, Pune solicits admissions in the post graduate degree programmes of the following courses, the highlights of which are stated below.

#### **HIGHLIGHTS OF DEPARTMENT OF ANATOMY FOR MD (ANATOMY) & M.Sc. (MEDICAL ANATOMY)**

1989 - Establishment of the Institute and the Department with intake capacity of 120 students

1996 Status of Deemed University

2004

Intake capacity increased to 150 students

Courses Started :

M. D. Anatomy (Recognized for Two students by MCI)

M. Sc. Medical Anatomy

➤ Apart from routine UG teaching

Body donation Programme with encouraging results

(more than 250 donated bodies received so far)

Rigorous PG activity followed by topic discussion by all faculty members

Museum/well equipped UG and PG laboratories/well established Dissection hall/

Bone bank

Motivation and support to the students by different teaching methodologies

➤ 2011

M. D. Anatomy (Intake capacity increased from two to three students, permitted by MCI)

#### Faculty profile

Well experienced and trained faculty as per the norms led down by MCI and all with postgraduate degrees, more than 15 to 20 years of experience, actively participating in the state/National level conferences/workshops and are members of State/National level Anatomical Society's executive bodies.

#### Infrastructure and Equipment

The department occupies the entire fourth floor of the College building and is spread over about 1700 sq. mtrs.

The department constitutes well lighted, well ventilated and well equipped Dissection hall, Histology practical hall, Museum with well mounted wet and dry specimens with self learning instructions manual, fully equipped U.G. and P.G.Laboratories, Department library with over 300 books, rooms for all the staff members.

The department has the required equipment that include-  
105 students microscopes

Binocular microscopes

Dissecting microscopes

Microtomes

Histology equipment

Digital eye-piece for microscope

Chemicals and stains for routine and research work

Nine computers with internet access

Two LCD projectors

Body cutting machine

Body embalming machine

Grinding and cutting instruments

Department Library with 500 books

## Academics

Average 80% result of the Undergraduate course since inception

14 M.D. (Anatomy) and 6 M.Sc. (Anatomy) -students have successfully completed their course.

In 2011-12, 1 P.G. student obtained Gold Medal with distinction in M.D. Anatomy Examination.

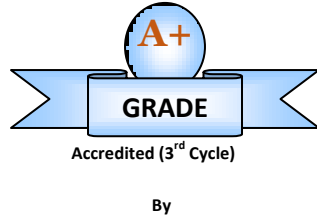
Department provides academic/infrastructure support to -

ENT department(Temporal Bone Workshops),  
Orthopedics Department(Spine workshop),  
Pediatrics department (Fellowship Programme),  
College of Nursing (B.Sc. and M.Sc. courses),

School of Audiology (BASLP course),  
College of Physiotherapy (Physiotherapy course)  
Skills Development Scheme (Certificate course)  
Dental college (BDS course)

## Highlights

The department fulfills the social commitment by actively Promoting and helping the society to fulfill the wish for Body Donation for Academic and Research purpose.



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## **Highlights of Department of Physiology for**

**MD (Physiology) & M.Sc. (Medical Physiology)**

### **GOAL:**

The broad goal is to provide comprehensive knowledge of normal functioning of organ systems of the body which in turn facilitates an understanding of the physiological basis of health and disease.

Best practices of the department:

- i) Inclusion of 'Clinical Problems' in theory & practical examination to make undergraduate students clinically oriented.
- ii) Computer laboratory- Computer assisted learning by Animated videos for experimental Physiology and Educational CDs made in-house.
- iii) Teaching CPR technique & clinical skills using simulation
- iv) Regular journal club activity for faculty and postgraduate students
- v) Eminent speakers are invited to deliver lectures
- iv) UG and PG students are encouraged to attend conferences and present and in publish research projects
- vii) Health camps are organized to fulfill needs of the society

### **Departmental milestones:**

Establishment of department in 1989

MBBS - current intake is of 150 students

Recognized for

- i) M.D.(Physiology) in 2006 and 16 candidates have completed M.D. (Physiology)
- ii) M.Sc. (Medical Physiology) in 2003 and 9 students have completed M.Sc.
- iii) Commencement of Ph.D. Course in 2010 and 2 faculty members were awarded Ph.D.in (Medical Physiology)

Infrastructure: Good infrastructure - Well equipped laboratories

Hematology, Amphibian Physiology, Clinical, Mammalian and Research laboratory (Power lab for Autonomic function tests)

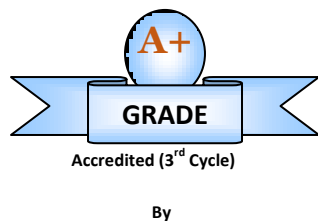
Research activities:

Total publications- 48 in last 7 years (National-28, International-20)

10 students have completed ICMR(STS) projects

Post graduate students got prizes in National and International conferences

All PG students have got placements in various Medical colleges



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## **Highlights of Department of Biochemistry For MD (Biochemistry)**

### **Goal**

To provide scientific basis of life processes at molecular level to the students and orient them toward the correlation of biochemical analysis and interpretation for diagnosis in health and diseases

**Teaching and Learning:** Department is actively involved in conducting Teaching & Learning activities of I MBBS, M.D.(Biochemistry), PhD(Medical Biochemistry), DMLT.

The curriculum is updated time to time as per MCI requirements and updated with current topics. Apart from routine didactic teaching, modern methods of teaching like seminars, quiz, journal clubs, Microteaching, Role Plays and case based learning are also practiced using computer assisted learning.

**Biochemistry Section of Central Clinical Laboratory of Bharati Hospital:**

It is equipped with highly sophisticated automated biochemistry analyzers, CMIA's, HPLC, ABG machines. We expand our diagnostic menu every year with addition of new tests like methotrexate, procalcitonin, hs Troponin along with other routine and special investigations like liver function, kidney function, diabetic profile, Cardiac Markers, CRP, Thyroid Profile, Fertility/ANC profile, Anemia profile, Tumor markers, vitamins.

Biochemistry section is accredited by NABL (NABL Certificate Number: MC:2181) as per ISO15189:2012.

### **Research:**

We are equipped with all basic and advanced facilities for research. Thrust areas of Research are, Oxidative stress and antioxidants, Experimental cataract, Endocrine disorders, Molecular Biology. We have undertaken various funded and

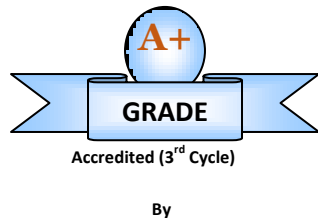
collaborative research projects by ICMR,BVU. We have more than 40 publications in various international and national journals.

Our Post Graduate Alumni:

We are proud of our Post Graduate alumni working in various premier teaching and diagnostic fields.

Kindly check this link for more information on Department:

[http://mcpune.bharativedyapeeth.edu/media/pdfs/MCPune\\_Department\\_of\\_Biochemistry\\_291018.pdf](http://mcpune.bharativedyapeeth.edu/media/pdfs/MCPune_Department_of_Biochemistry_291018.pdf)



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## **HIGHLIGHTS OF DEPARTMENT OF MICROBIOLOGY FOR MD (MICROBIOLOGY), DMLT, M.Sc. (MED. MICRO.)**

The Department of Microbiology at Bharati Vidyapeeth (Deemed to be)University Medical College was founded in 1990 and is presently located at the Main Medical College building, while the Service Laboratory is located on the 4th floor of the Bharati Hospital located nearby in the campus.

It is well staffed with 02 Professors, 04 Associate professors,03 Assistant Professors and 03 Tutors.

The department has witnessed expansion and growth over the years and caters to teaching 150 MBBS students. In 2011 it was granted recognition for four Post graduate seats.

It is also proud to be one of the first NABL, NABH and Safe I accredited Medical College laboratories in the country. The Department actively involves in reporting and teaching clinical diagnostic services to the tertiary care hospital.

It imparts training for MBBS, MD, MSc (Medical Microbiology) DMLT, PhD and Fellowship in clinical Microbiology.

Core areas of work and research for MD Microbiology students pivots around all major branches of medical microbiology; viz.

Clinical microbiology,

Hospital Infection Control,



Antimicrobial stewardship,  
antimicrobial resistance,  
serology,  
Aerobic bacteriology,  
Anaerobic bacteriology,  
Mycobacteriology,  
Mycology,  
Parasitology,  
Molecular biology of infectious diseases  
Microbial surveillance in hospital and community settings.

A robust Infection control section has been established by the department with three dedicated faculty members and 15 Infection control nurses.

Best Practices for Post Graduate Teaching are followed to include special lectures on current topics, Clinical case discussions, Journal club, Microbial news, Infection control rounds, Faculty lectures, Bench work, practical procedures and report writing, Clinical microbiology rounds of infectious disease patients, interpretation of antibiotic testing and reporting.

#### KEY FEATURES

NABL Accredited

NABH, Safe I Accredited

EQAS- Quality control maintained with CMC Vellore and PGI Chandigarh

RNTCP recognised Mycobacteriology Laboratory as Designated Microscopy Centre for Diagnosis of Pulmonary Tuberculosis.

Research mentoring for MBBS,MD students, Indian Council of Medical Research (ICMR) short term studentship grants

Teacher-Guardian Program for MBBS Students

Guiding and supporting MD Dissertations.

Fellowship in Clinical Microbiology

National & International Publications

Integrated and Best teaching practices in MBBS & MD curriculum

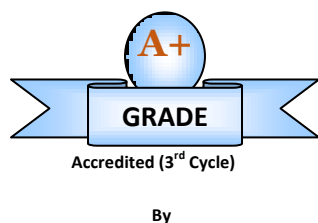
24x7 emergency laboratory services.

Regular CMEs, Workshops and teaching programmes for Doctors, Residents and nurses.

## COLLABORATIONS

IRSHA

National Centre for Cell Sciences.



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## **Highlights of Department of Pharmacology for MD (Pharmacology)**

Department of Pharmacology, BVDU Medical College admitted the 1<sup>st</sup> batch of MD students in 2008. The course has progressed in leaps and bounds over the years, with major benefit to the PG students being derived from the various achievements of the department in the fields of Academics, Research and Hospital Services.

### **Academics:**

Teaching – Learning is an important strength of the department, reflected in the appreciation expressed by both UG and PG students in their feedback. Our faculty is actively involved in furthering Medical Education not only at the institutional level, but are also invited as resource persons at other Medical Institutions.

### **Training in Presentation Skills:**

Guidance of this faculty in activities like Microteaching sessions, Seminars, Journal clubs and training and opportunity for Conference Presentations help them to develop presentation skills, which are much needed, whatever be the role they choose for making a career as a Pharmacologist.

### **Hospital Industry posting:**

Industrial posting during second year is an important facet of the course giving them first hand exposure to the functioning of the Pharma Industry and their possible role in Pharma research, marketing and regulatory affairs.

### **Well equipped, Recognized Animal House:**

We are proud to have an Animal House recognized by Central Government Agency (CPCSEA) and appreciated by MCI inspectors as one of the best animal houses. It has facility to breed albino rats, mice, guinea pigs and rabbits for

research, with many running research projects – in house as well as collaborative projects with other sister institutes of Bharati Vidyapeeth as well as other Academic institutes. Many projects have been awarded ICMR student fellowships as well as funding from National Innovation Foundation (NIF) and some Pharmaceutical companies. This offers ample opportunity to the post graduate students, for learning animal handling, experimentation and hands on experience for participating in formal animal research.

### **Research:**

The department has experienced faculty actively involved in research, aptly reflected in the number of publications in Indian and International scientific journals. Research spans across animal experimentations as well as clinical research. Many of the MD dissertations also involve Clinical Trials. With this ample exposure in research, the PG students have under their belt successful completion of many research projects, conference presentations as well publications when they graduate.

### **Computer Simulation lab:**

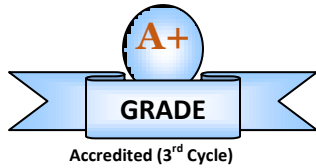
In line with the technological advances, the department has a computer simulation lab with 15 computers, equipped with animal experiment software used for both UG and PG training and examinations. The scope is being extended to include software for new drug development.

### **Hospital Services:**

The department executes major responsibility in the Bharati Hospital for ensuring implementation of NABH norms as well as Antibiotic stewardship and Pharmacovigilance. The post graduate students therefore get hands on training and research opportunities in these fields. They also have rotational posting in all the major clinical departments.

### **Placement Outcome:**

The outcome of this rigorous training is the 100% placement of the alumni, some getting placed even before the formal declaration of results. Currently, 40% of our alumni are placed in senior positions as Medical Advisors in multinational companies like Johnson & Johnson, Abbot, German Remedies, while 40% have found the career of their choice in Pharmacovigilance and Medical Writing in companies like Sciformix and Syneos Health.



By

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## **Highlights of Department of Community Medicine for MD (Community Medicine)**

### **Goal of Postgraduate course**

Prepare a Planner, Manager, Solution -seeker, Teacher and Philosopher in health issues of individual, family, community, nation and cross-nations

*Dedicated Faculty with past experience from* International institutions, Public Health administration and Armed Forces; Well-equipped infrastructure with departmental library, Wi-Fi enabled campus, fully functional management owned-rural and urban health training center

*Opportunities to do Extension activities through RHTC and UHTC:* Medical care, referral services, Health checkup camps, training and to do be a part of international and national collaborators for community based Research Projects

### ***Special Activities:***

**Health and Demographic Surveillance System: HDSS, Lavale** is a household census system to monitor demographic trends and morbidity profile among the rural population of field practice area of RHTC. Fourth of its kind of an initiative in India. Inaugurated on 3rd August 2018.

Baseline round (Round 0) initiated on 1st December 2018. Facilitates excellent research opportunity in the form of community trials.

**Infrastructure:** Well-equipped library, Museum, Students laboratory, Research laboratory, Rural Urban Health Training Center

***Funded Research Project:*** International (2015-19 and ongoing): International (Bill and Melinda Gates Foundation, UNFPA, UNICEF); Govt. of India (2012-17) ICMR - STS, ICMR –Faculty project.

**State (2012)** (Maharashtra State TB Society); Others (2016-17) Indian Public Health Association BVP University funded (2011-16)

**Consultancy:** UNICEF, United Nations Fund Population Activities (UNFPA), Pune Health Care Management & Research Centre ,YASHADA, Pune, Symbiosis Center of Health Care, Pune, Government of Maharashtra

**Best Practices of the dept.:**

Health and Demographic Surveillance system,

Fellowship course in Epidemiology commenced

Bridge course,

Exposure of the postgraduate students in various Govt./WHO initiatives eg. MR campaign, Mission Indradhanush, Pulse polio