

Pravara Institute of Medical Sciences (Deemed University)

Established under section 3 of UGC Act, 1956
vide Notification No. F. 9-11/2000 U.3 of the Govt. of India

www.pravara.com

NAAC Reaccreditation with 'A' grade

Centre for **Biotechno**logy



Prospectus & Application Form

for Admission to

B.Sc. + M.Sc. Integrated Medical Biotechnology

Academic Year 2017-18

Prospectus



Introduction

The Center for Biotechnology was established in the year 2001 with a basic intention of facilitating the initiation of young students in the field of medical biotechnology, by imparting them quality education and further training them to take up either a research career or get recruited in the relevant industry or hone the skills to become successful entrepreneur.

Medical Biotechnology is a specialized disciplines dealing with the understanding & use of living cells or any biomaterial and its derivatives in health and diseases. It has an interdisciplinary approach that combines the knowledge of fundamental sciences including cell biology, biochemistry, genetics and many others for its application in the advancement of medicine in terms of disease diagnosis and development of therapeutics, neutraceuticals etc. Therefore, it is considered to be the growing technology of the 21st century and has promising future to enhance the quality of life and environment.

Salient features

The syllabus (Theory, Practical, Seminars, Journal club and Project work) is designed as per the latest requirement and developments in the field of Biotechnology. Course covers the knowledge of applied biological sciences such as Biochemistry, Microbiology, Immunology, Molecular Biology, Genetic Engineering, Bioinformatics and Animal and Plant Tissue Culture. Knowledge gained in the subject of Biotechnology will be applied for sustainable use of available bio-resource to solve the problems of nutrition and livelihood.



Vision, Mission, Goals and Objectives

1. Vision

To nourish and nurture the young, creative and innovative minds to develop high quality professionals in the field of biotechnology and health sciences leading to the significant contribution for the betterment of mankind and mother country

2. Mission

- To be a centre of excellence in the field of medical biotechnology through imparting need based quality education and training in relevant areas of biological and health sciences
- To provide a common platform to students and other stakeholders with the diverse academic backgrounds and familiarize them to a new horizon of medical biotechnology through quality education, training, research, extension and outreach activity.
- To be a premier institute in terms of cutting edge research, providing state of art facilities and produce creative, competent scientist, researchers, technologist and entrepreneurs in the field of medical biotechnology.
- To train the next generation medical biotechnologist to serve health care system of nation especially of rural population as well as inculcate values & ethics among all its stakeholders and ensure transfer of technology from laboratory to land.



3. Goals

The Centre is desirous of becoming one of country's premiere Institute. The primary focus is education and research with relevance to the practical world as a guiding principle. This Centre has envisaged interdepartmental multidisciplinary programmes and laboratories. The centre, despite having strong research base, desires to extend beyond traditional boundaries. It seeks to be a pulsating temple of science from which intelligence, knowledge and wisdom disseminate.

4. Objectives

The Centre was established to;

- Integrate various research and other activities in Biotechnology with Rural Medical College and Rural Dental College.
- Screen plants, microbes and other biological sources for bioactive molecules - in particular those useful as anti-cancer agents.
- Develop transgenic crops that can express human therapeutic molecules and resist stress like drought and soil salinity.
- Apply biotechnology for sustainable use of available bio- resource to solve the problems of nutrition and livelihood.



Hostel Facility

Hostel facility will be provided with standard security and other facility for Boys and Girls within the campus.

Course Offered: B. Sc. + M.Sc. Integrated Medical Biotechnology

Eligibility Criteria

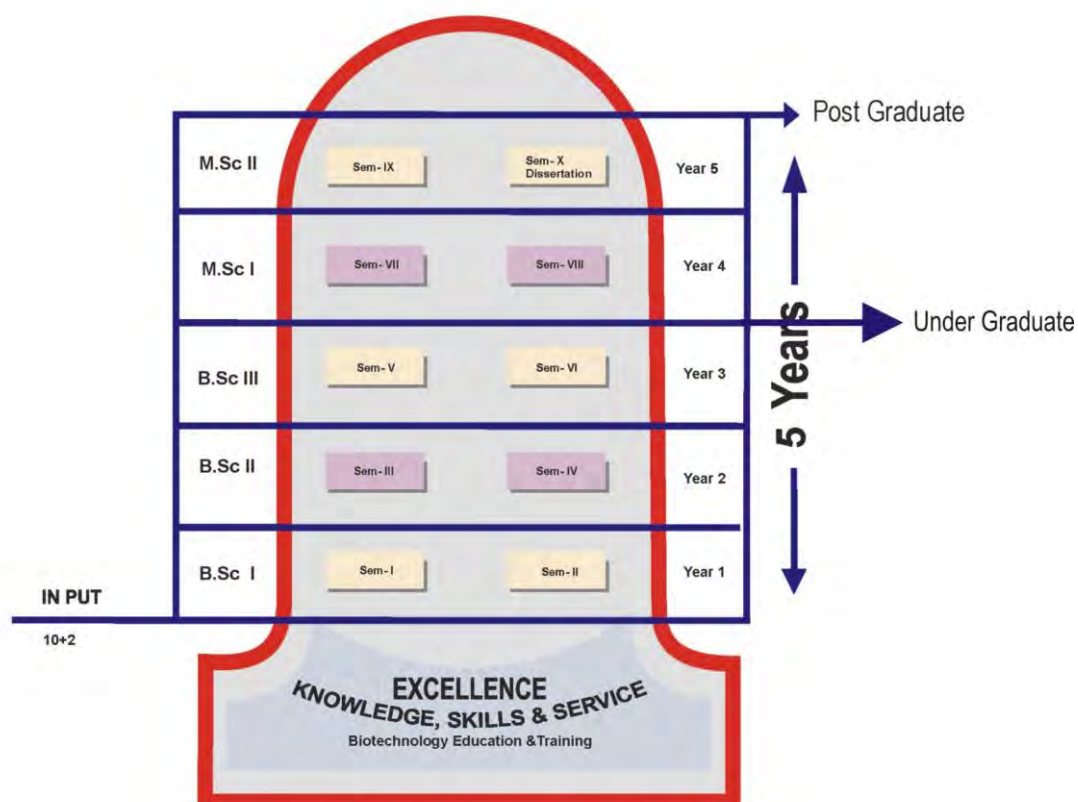
Candidate fulfilling the following criteria shall be eligible

- Candidate should have passed HSC (10+2) or equivalent examination from a recognized Board with English; securing minimum 50% marks (40% for candidates belonging to backward classes). In aggregate of the subjects namely Physics, Chemistry, Biology /Mathematics. The Backward class candidates must attach a copy of the Cast Certificate along with the application form.

(Eligibility criteria revised- no minimum % required as per Academic Council Meeting 31/01/2013)

- A candidate must be Indian National, the Nationality Certificate issued by the District Magistrate/ Additional District Magistrate/ Chief Metropolitan or a valid passport shall constitute the proof of Nationality.
- The Candidates must be 17 years of age.

Duration: 5 years (3 years for B. Sc + 2 years for M.Sc)



**B.Sc + M.Sc Integrated Medical Biotechnology
Flow Diagram**

Note: After completion of three years, B. Sc Biotechnology degree will be awarded. If student wishes to continue he/she is automatically admitted to M.Sc Medical Biotechnology course.

Course Fees: Rs 50,000/- per year

Intake capacity – 30

Mode of Admission

Admission is based on the marks obtained in HSC (10+2) or equivalent examination from a recognized Board.

Admission Form:

The Admission form with prospectus can be obtained from the office of Center for Biotechnology, on the payment of Rs.300/-.

Important Dates

Commencement of sale of Prospectus and Application form	: 22-05-2017
Last date of receipt of application form	: 30-06-2017
Commencement of course	: 01-08-2017

For more information refer our website www.Pravara.com

For further information

The Director

Center for Biotechnology

Pravara Institute of Medical Sciences (DU)

Phone: 02422/ 271350, 271340

PRAVARA INSTITUTE OF MEDICAL SCIENCES

(DEEMED UNIVERSITY)

Admission Form for B. Sc + M.Sc Medical Biotechnology (Integrated) Course

Photograph

Caution

Every entry must be completed in detail
Incomplete Application will not be considered

-
1. Name in full (in block Capital letters beginning with surname) _____
 2. Name of Father in full (in block Capital letters beginning with surname) _____
 3. Mother's Name: _____
 4. Address: _____

 5. Permanent Address :
House Name: _____ Place: _____
Post: _____ Country: _____
State: _____ District: _____
Taluka: _____ Pin Code: _____
Phone: _____ Mobile: _____
 6. Blood Group : _____
 7. Nationality: _____
 8. Rural/ Urban: _____
 9. Date of Birth: _____
 10. Place of Birth: _____
 11. Religion: _____
 12. Caste: _____
 13. Mother Tongue: _____
 14. Physical Status (Normal/ Handicap): _____
 15. Name and address of local guardian: _____
if any, with telephone number _____

16. Category (General, SC, ST, OBC, VJNT,
Nomadic Tribes, Bhataki Jamati, Bauddha): _____

17. Education Details

Name of the Examination	Board/ University	Name of School/ College	Subjects	Year of passing & Month	Attempt	Marks obtained	% Of Marks
S.S.C.							
H.S.C.							

Place: _____

Date: _____

Signature of Applicant

(Name: _____)

Signature of Guardian

(Name: _____)

Note: Candidate must attach the following

1. SSC Mark Sheet
2. HSC Mark Sheet

Submit the filled admission form to:

The Director

Center for Biotechnology

Pravara Institute of Medical Sciences (DU), Loni 413736

Tal- Rahata, Dist. Ahmednagar, Maharashtra

Phone: (02422) 271340/50

Email: biotechnology@pmpims.org

*** **Note:** Send completely filled application form along with Demand Draft (DD) of Rs.300/- in favour of “**Center for Biotechnology Pravara Institute of Medical Sciences Loni**”