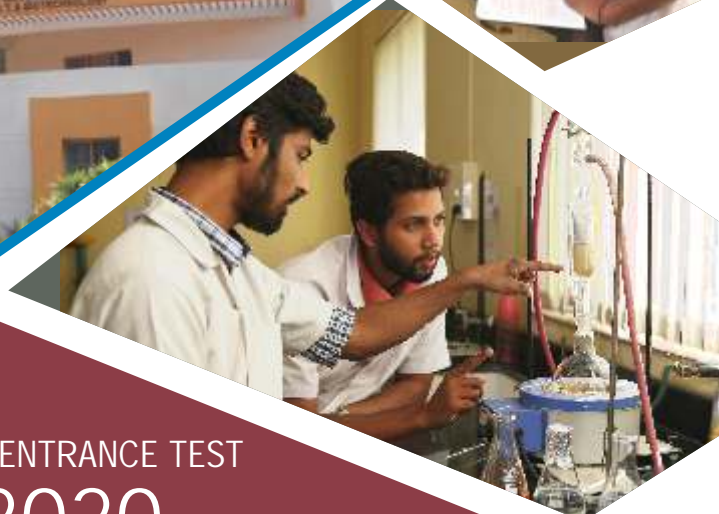




BHARATI VIDYAPEETH

(Deemed to be University)
Pune, India.

Accredited with 'A+' Grade (2017) by NAAC
'A' Grade University Status by MHRD, Govt. of India
Accredited (2004) & Reaccredited (2011) with 'A' Grade by NAAC
Category -I Deemed to be University Grade by UGC,
62nd Rank among universities by NIRF-2019



INFORMATION BROCHURE OF ENTRANCE TEST

CET-MBT-2020

For Admission to the Master of Science in Biotechnology /
Medical Biotechnology / Bioinformatics (MBT)
POST GRADUATE DEGREE COURSES

At

Bharati Vidyapeeth (Deemed to be University), Pune

Rajiv Gandhi Institute of Information Technology and Biotechnology, Pune
Ranked among top 100 colleges (30th in 2017, 62nd in 2018 & 42nd in 2019)
under college category by NIRF India Ranking





Hon'ble Dr. Patangrao Kadam

Founder : Bharati Vidyapeeth (1964)

FOUNDER - CHANCELLOR: Bharati Vidyapeeth (Deemed to be University)





Bharati Vidyapeeth

(Deemed to be University), Pune (India)

Accredited with 'A+' Grade (2017) by NAAC

'A' Grade University Status by MHRD, Govt. of India

Accredited (2004) & Reaccredited (2011) with 'A' Grade by NAAC

Category -I Deemed to be University Grade by UGC,

62nd Rank among universities by NIRF-2019

Information Brochure for Online Computer Based Entrance Test (CET-MBT - 2020)

For Admission To

M.Sc. (Biotechnology)
M.Sc. (Medical Biotechnology)
M.Sc. (Bioinformatics)

In

Bharati Vidyapeeth (Deemed to be University)

Rajiv Gandhi Institute of Information Technology and Biotechnology

Katraj, Pune - 411 046.

Website : www.rgitbt.bharativedyapeeth.edu

Email : rgitbt@bharativedyapeeth.edu

Important Dates

- | | | | |
|----|---|---|--|
| A) | Last date for submission of online application form | : | 30th July 2020
upto 5.00 p.m. at www.bvuniversity.edu.in |
| B) | Date of Online Computer Based Entrance Test | : | 10th August 2020 |
| C) | Declaration of Result of both tests | : | 18th August 2020 after 5.00 p.m.
at : www.bvuniversity.edu.in |
| D) | Counseling and spot admission
Venue for Counseling | : | 24th August 2020 at 10.00 a.m.
Bharati Vidyapeeth (Deemed to be University),
Rajiv Gandhi Institute IT & Biotechnology,
Pune-Satara Road, Katraj, Pune-46
Ph. No. 020-24379013 |
| E) | Commencement of Classes | : | 1st September 2020 |

Chancellor's Message

Hon'ble Prof. Dr. Shivajirao Kadam

Chancellor, Bharati Vidyapeeth
(Deemed to be University) Pune



Since its inception, Bharati Vidyapeeth Deemed to be university has emerged as one of the prominent University in India. It is established by Founder Chancellor, Dr. Patangrao Kadam with an objective to bring all round social transformation by providing quality education and holistic development of its students. As one of the most trusted global knowledge destination, University has made astonishing strides in the field of education.

The year 2018-19, was a significant year for the University on many fronts. The biggest achievement was the accordance of Category-I University Status by University Grant Commission. The ranking profile of the University was strengthened by being ranked at 62nd among Universities by NIRF-2019. Bharati Vidyapeeth is the first and the only organization to have 4 institutes under its ambit having NIRF ranking.

Throughout the year the university continued its focus on excellence in academics and research. Faculty members strengthened their research profile by publishing their research work in highly reputed International and National journals having high impact factor and indexed in Google Scholar, Scopus, and Web of Science. The partnership with the industry was strengthened by successfully securing the major and minor research projects. The university also

entered into various national and international collaborations.

What we have achieved so far is greatly admirable. But in this dynamic world, we are aware about the demand for highly qualified professionals in every sector. The responsibility of fulfilling these expectations lies with us. I have no doubt that Bharati Vidyapeeth Deemed to be University will be able to fulfill it with the joint efforts and cooperation of its management, faculties and staff.

I congratulate to the Vice Chancellor for his continued efforts in bringing the University to the higher pinnacle of academic excellence.

Prof. Dr. Shivajirao Kadam

Vice-Chancellor's Message

Hon'ble Prof. Dr. Manikrao Salunkhe

Vice Chancellor

Bharati Vidyapeeth (Deemed to be University) Pune



It is a matter of immense pleasure for me to be a part of the Bharati Vidyapeeth (Deemed to be University) family as its Vice Chancellor. I take this opportunity of welcoming new students joining the College of Engineering as well as the Faculty of Management Studies in undergraduate as well as postgraduate programmes. Most of such students move away from the folds of their family and need to feel that they are just moving away from one family fold to another. Their teachers seniors and peers, all form an extended family from whom they can look up for any guidance support and help to move ahead in life as professionals in the study programmes they have opted.

The College of Engineering offers graduate, post graduate programmes and Doctoral programmes. The college has earned its reputation owing to its excellent infrastructure as well as qualified faculty. In terms of credentials, the College of Engineering is one of the few institutes in the country which has Programmes accredited by National Board of Accreditation (NBA) twice and application for the third cycle of accreditation is underway. This is the only institute selected by MHRD for its Technical Education Quality improvement Programme (TEQIP-II- 1.1 Programme) for the grant of Rs. 4 Crores.

Like any other area of science, engineering technology is also going through rapid changes. As far as high quality engineering education is concerned in such an ever-changing area, an institution needs to keep itself always updated through course curriculum, laboratories resources and most importantly faculty. We have a team of qualified, experienced & dedicating teaching faculty in the faculty of management Studies for constant updation of syllabi. The respective departments are supported by equally dedicated qualified laboratory staff.

Under the Faculty of Management Studies, we have courses taught at our Management Schools located in Pune, Sangli, Solapur, Kolhapur, Karad and New Delhi. Also we have an Institute for Hotel Management and Catering Technology in Pune. We have a continuous process of updation of syllabi, as far as high quality Management education is concerned. In order to impart education, Liaison with industry in the form of industrial visits, students training, expert lectures and arranging of seminars & workshops are an integral part of our educational program.

The colleges have a well designed building and other well equipped infrastructural requirements with state-of-the-art

facilities. Our curriculum goes through regular revisions to incorporate new developments for imparting the course contents and knowledge beyond syllabus given in the University curriculum. Ours is a multi campus university with multi disciplinary approach. We produce graduates to become future leaders in industry, academia, government and the society. Through a good blend of course work and projects, the departments endow students with the ability to apply knowledge in multidisciplinary teams, provide leadership and technical expertise, and practice their professions with ethical approaches and concern for society and environment. We have a team of qualified, experienced & dedicated teaching faculty for constant updation of syllabi. Research is an inclusive part of the teaching and our faculty members publish research papers in indexed journals of repute with impact factor. Active interaction of learners with faculty and other academicians & professionals in the field provide exposure by way of seminars, workshops etc.

The campus is ICT enabled and the colleges provide an e-learning and e-connect environment, along with class coordination system, document management system as well as virtual class rooms. The university is situated in a serene environment. The serenity along with a complex structure of curricular, co- curricular and extra-curricular activities will shape your physical, mental and intellectual growth. As a student of Management/Engineering, you are the torch bearers of latest technology. You have the responsibility of developing an environmentally and socially sustainable society.

I, wish and assure you, on behalf of the university family, that we will help you pursue your objectives of life under the varied social, cultural and economic environment and make the University family proud of your attainments.

Prof. M.M. Salunkhe

Pro -Vice Chancellor's Message

Hon'ble Dr. Vishwajeet Kadam

Pro-Vice Chancellor
Bharati Vidyapeeth (Deemed to be University) Pune



Dear student,

I am extremely happy that you have chosen this University as a stepping stone for your future progression as a professional.

Dr. Patangrao Kadam established Bharati Vidyapeeth at the age of 19 in May 1964. Within a span of few decades, he developed it into one of the largest educational organizations in the country known for its high academic excellence within the country and beyond. Dr. Patangrao Kadam had envisioned metamorphosing Bharati Vidyapeeth into a full-fledged University, which came to be true in April 1996 when the Government of India conferred the status of "Deemed to be University". Its high academic standing has been acknowledged by the NAAC which has awarded it with A+ grade successively in three rounds. The University is placed under Category-I by the UGC. The university has been ranked 62nd among Universities by NIRF-2019

Current global challenges require graduates with advanced skills who will drive growth in the industrial and technological spheres and one who continues to learn so as to grow professionally and personally. The constituents units of Bharati Vidyapeeth (Deemed to be University) will provide enabling platforms where student learning is enriched as per requirements of the industry.

We dedicate our intellectual resources to advancement in the field through research activities so as to develop and empower students with requisite expertise & understand and address changes impacting the world. Our close linkage with industry has enabled development of curriculum based on latest industry requirement, experiential learning with the help of experts & career progression through placement. In testimony are our alumni who are working in the best organizations globally and as successful entrepreneurs.

Through our guiding principles we are committed to provide quality education in different disciplines and a conducive environment to be an effective contributor professionally and for the growth of the nation.

I once again welcome you, and wish you all success in your academic pursuit.

Dr. Vishwajeet Kadam

Bharati Vidyapeeth (Deemed to be University), Pune

Bharati Vidyapeeth, the parent organization of this University is one of the largest educational organizations in the country. It has 180 educational units under its umbrella including 80 Colleges and Institutes of conventional and professional disciplines..

The Department of Human Resource Development, Government of India on the recommendations of the University Grants Commission accorded the status of "Deemed to be University" initially to a cluster of 12 units of Bharati Vidyapeeth. Subsequently, 17 additional colleges / institutes were brought within the ambit of Bharati Vidyapeeth (Deemed to be University) wide various notifications of the Government of India. Bharati Vidyapeeth (Deemed to be University) commenced its functioning on 26th April, 1996.

Constituent Units of Bharati Vidyapeeth (Deemed to be University)

1. BVDU Medical College, Pune.
2. BVDU Dental College & Hospital, Pune
3. BVDU College of Ayurved, Pune
4. BVDU Homoeopathic Medical College, Pune
5. BVDU College of Nursing, Pune
6. BVDU Yashwantrao Mohite College of Arts, Science & Commerce, Pune.
7. BVDU New Law College, Pune
8. BVDU Social Science Centre (M.S.W.), Pune
9. BVDU Yashwantrao Chavan Institute of Social Science Studies & Research, Pune.
10. BVDU Centre for Research & Development in Pharmaceutical Sciences & Applied Chemistry, Pune
11. BVDU College of Physical Education, Pune.
12. BVDU Institute of Environment Education & Research, Pune
13. BVDU Institute of Management & Entrepreneurship Development, Pune
14. BVDU Poona College of Pharmacy, Pune
15. BVDU College of Engineering, Pune
16. BVDU Interactive Research School in Health Affairs (IRSHA), Pune
17. BVDU Rajiv Gandhi Institute of Information Technology & Biotechnology, Pune
18. BVDU College of Architecture, Pune
19. BVDU Abhijit Kadam Institute of Management & Social Sciences, Solapur
20. BVDU Institute of Management, Kolhapur
21. BVDU Institute of Management & Rural Development administration, Sangli
22. BVDU Institute of Management & Research, New Delhi
23. BVDU Institute of Hotel Management & Catering Technology, Pune
24. BVDU Yashwantrao Mohite Institute of Management, Malkapur- Karad
25. BVDU Medical College & Hospital, Sangli



26. BVDU Dental College & Hospital, Mumbai
27. BVDU Dental College & Hospital, Sangli
28. BVDU College of Nursing, Sangli
29. BVDU College of Nursing, Navi Mumbai

The status of University was given to a cluster of these colleges and institutes in appreciation of the high level of their academic excellence and for their potential for further growth.

During the last 23 years or so, the University has achieved higher pinnacle of academic excellence and has established its reputation to such an extent that it attracts students not only from various parts of India but also from abroad. According to a survey conducted by Association of Indian Universities, this University is one among the top ten Universities in the country preferred by the overseas students for admissions. At present, there are more than 542 overseas students from 41 countries on the rolls of constituent units of this University.

During the last 23 years, there has been tremendous academic expansion of the University. It now conducts in all 290 courses in its constituent units, of them 107 are Post Graduate, 40 are Under Graduate and 37 Diploma level and 14 are PG Diploma level courses. 11 Fellowship and 5 certificate courses. All the professional courses which the University conducts such as those of Medicine, Dentistry, Engineering etc., have approval of the respective statutory councils, viz., Medical Council of India, Dental Council of India, All India Council for Technical Education etc.

The University is a throbbing center of research activities and has launched Ph.D. programmes in 79 subjects and M.Phil in 2 subjects. It has also introduced quite few innovative academic programmes such as Masters in Clinical Optometry, M.Tech. in Nano Technology etc.

The University's performance and achievements were assessed by the "National Assessment and Accreditation Council" and it was Accredited with a prestigious "A+" Grade in 2017. Some programmes of the constituent units such as Poona College of Pharmacy, College of Engineering at Pune & the Institute of Management and Research, at New Delhi, have also been accredited by "National Board of Accreditation". Three constituent units of Bharati Vidyapeeth (Deemed to be University) are also the recipients of ISO 9001-2001 certifications.

In 2019, in the assessment under National Institutional Ranking Framework (NIRF), by Ministry of HRD, Govt. of India, the university is ranked 62th at National level among universities. Also its constituents units-i.e. Poona College of Pharmacy, Pune is figured at 16th place, College of Engineering, Pune at 93rd place, Institute of Management and Entrepreneurship Development, Pune at 55th place and Rajiv Gandhi Institute of Information Technology and Biotechnology at 42th place at the national level.



Salient and Distinctive Features of Bharati Vidyapeeth (Deemed to be University)

This University:

- is one of the largest Deemed to be University in the country established u/s. 3 of the UGC Act, 1956;
- is a multi-faculty University offering a variety of courses in 12 faculties namely Faculty of Arts, Social Sciences and Commerce; Faculty of Science; Faculty of Law; Faculty of Medical Sciences; Faculty of Dentistry; Faculty of Ayurveda; Faculty of Homoeopathy; Faculty of Nursing; Faculty of Pharmaceutical Sciences; Faculty of Management Studies; Faculty of Engineering & Technology and Faculty of Interdisciplinary Studies is accredited and reaccredited by the NAAC with prestigious 'A+' grade.
- is probably the only University of its kind in the country having three self-financing Research Institutes devoted exclusively to the researches respectively in Health Related Sciences, Pharmaceutical Sciences and Social Sciences.
- has the distinction of getting recognition from the University Grants Commission u/s. 12 (B) of its act;
- is a University, which is academically and intellectually very productive. Its faculty members have a very laudable track record of research, publications and patents;
- has created a special fund to provide research seed money to its faculty members;
- has digitalized the libraries of its constituent units and which makes an extensive use of modern Information and Communication Technology in teaching, learning and research and also in administration;
- publishes its own scientific Journal. Besides, two of its Management Education Institutes publish their own academic journals which have gained recognition in the core academic circles;
- has established linkages with more than 50 national and international reputed academic institutions, such as North Carolina A & T University (USA), University of Cologne, (Germany), Liverpool Law School, (UK), Kingston University (UK), Pioneer Research Centre for Nano-grid Materials, Pusan National University, Busan (South Korea), Deakin University (Australia), Salford University (Australia), Oxford Brookes University (UK) and several others;
- has several colleges of health related sciences such as Medicine, Dentistry, Ayurved, Homoeopathy, Nursing, Audiology & Speech Language Pathology, Optometry in one campus (Pune). This has facilitated introduction of interdisciplinary courses and research.



- IRSHA, its health related Sciences Research Institute has done a good path breaking research work on Omega 3 Fatty Acids and has taken a lead in encouraging farmers to cultivated flax seeds which are major source of Omega 3 Fatty Acids.
- Its Institute of Environment Studies & Research Education has adopted several primary schools, wherein it implements its programmes of creating environmental consciousness among the students. Its work has received national level applaud.
- is a throbbing centre of academic activities and has organized several national and international level seminars, conferences, workshops, etc.
- runs a School of Performing Arts, wherein graduate and postgraduate programmes in various Performing Arts including dance, music etc., are conducted in the traditional Gurukul system.

Our Campuses

Bharati Vidyapeeth (Deemed to be University) has campuses in Pune, Mumbai, Solapur, Kolhapur, Sangli, Karad and New Delhi, the capital city of India. Bharati Vidyapeeth (Deemed to be University) has two campuses in Pune, one on Pune-Satara Road 5kms. South of Pune another at Erandwane, in the heart of the city. In addition, two more campuses have been developed at Sangli and Navi Mumbai.



The image shows a modern, multi-story building with a white facade and orange accents. The building has a prominent entrance with a large glass door and a wide set of stairs. The entrance is framed by a large orange structure. The text "BHARATI VIDYAPEETH UNIVERSITY" and "RAJIV GANDHI INSTITUTE OF I.T. & BIOTECHNOLOGY" is displayed on a horizontal band above the entrance. The building is surrounded by greenery, including a large plant in the foreground.

BHARATI VIDYAPEETH UNIVERSITY
RAJIV GANDHI INSTITUTE OF I.T. & BIOTECHNOLOGY

Rajiv Gandhi Institute of IT and Biotechnology

The institute was conceptualized in 2001 and acquired recognition by the University Grants Commission (UGC) in September 2002. The institute's activities focus on imparting education, training and research in the emerging important areas of biotechnology. A three year graduate course (B.Sc.) in biotechnology was introduced in 2003 and a post-graduate course (M.Sc. in biotechnology) in 2005. The academic programme is aimed at generating competent work force for growing life sciences industry. In 2010, a post graduate course in Bioinformatics (M.Sc. Bioinformatics) course introduced in the institute & M.Sc. Medical Biotechnology has been launched since 2012 with an aim to generate skilled man power for inter disciplinary subject.

Vision

To make the institute a world class center of excellence in Biotech education and research

Mission

Social Transformation through Dynamic Education

Goal

To generate professionally competent human resource in biotech to serve academia, research, agriculture, health and industry

Attractions to choose RGIT-BT as centre for learning

- ▶ Ranked 30th in college category at National level, NIRF 2017 and 62th on NIRF 2018 Ranking
- ▶ State of art Infrastructure
- ▶ Knowledge and job-oriented syllabi, Subject-wise specialized faculty as per UGC norms.
- ▶ Digitalized library with internet connectivity and INFLIBNET
- ▶ All classrooms are equipped with LCD projectors connected to LAN, for simultaneous conduct of theory classes.
- ▶ Well equipped laboratories to conduct advance materials.
- ▶ Five research laboratories focused for research in nutrigenomics, Microbial technology, herbal biotechnology, Cell & Molecular biology and Plant tissue culture.
- ▶ A/c auditorium with 140 seating capacity for seminars
- ▶ Conference / exhibition hall, administrative/ students' guidance office
- ▶ Dedicated 125 kV A generator for uninterrupted power supply
- ▶ Poly-house and shade-net facility for hardening tissue culture plants
- ▶ Well laid out garden to create desired ambience for learning.

Details Regarding infra structural facilities resources available and other activities conducted at the institute are available on its website.



FACILITIES

Infrastructure :

Rajiv Gandhi Institute of IT and Biotechnology has a spacious architecture built up in an area of 59,000 square ft. It houses five departments i.e. Department of Microbial Biotechnology, Department of Biochemical Sciences, Department of Plant Biotechnology, Department of Cell and Molecular Biology and Department of Bioinformatics. Each department has separate laboratories for conducting undergraduate and post-graduate practicals and research. The institute has well-equipped computer laboratories and spacious classrooms for undergraduate and postgraduate students with LCD facility.

All laboratories of the institute are equipped with state-of-art instruments like UV-Visible Spectrophotometer, Gel documentation unit, PCR machine, Laminar air flow units, Microtome, CO₂ incubator, Inverted Microscope etc. to impart hands-on training for all practical courses. Independent laboratories for imparting hands on training in Plant Tissue culture and Animal Tissue culture with state-of-art equipment is our strength.

The institute has advanced bioinformatics labs equipped with genomic servers, and computing clusters with 4 Mbps internet connectivity. The bioinformatics infrastructure supports training, research and development in genomics, proteomics and drug design.

Good library facility and with internet connectivity and INFLIBNET with more than 2650 books and 26 periodicals are presently provided to students.

Limited hostel accommodations are available for the students of RGITBT.



Collaborative activities: Research Institute

National center for Microbial Resource (NCMR) Pune
 BVDU-Medical College, Pune/ Sangli
 BVDU-College of Engineering

BVDU College of Homeopathy, Pune
 BVDU-IRSHA, Pune
 BVDU- Dental College & Hospital, Pune

Linkages with Research Institutes

NCL(Pune), IISER(Pune), SPPU(Pune), ARI(Pune), VSI(Pune), HAFFKINE INSTITUTE (Mumbai)

Linkages with Industries for placement, internship, Research Entrepreneurship development and students training

Serum Institute of India pvt. Ltd., ToxIndia, BEST, AGASTI, SIIMSAR, GREENVENTION BIOTECH, EdubioSkills, P²S foods, iSERA BIOLOGICAL, Fabgenics, Welnnovate Biosolutions, Jay Biotech (Pune), Inoplex, vision Ecologica, Mothers recipe, MOCHEM (Latur)

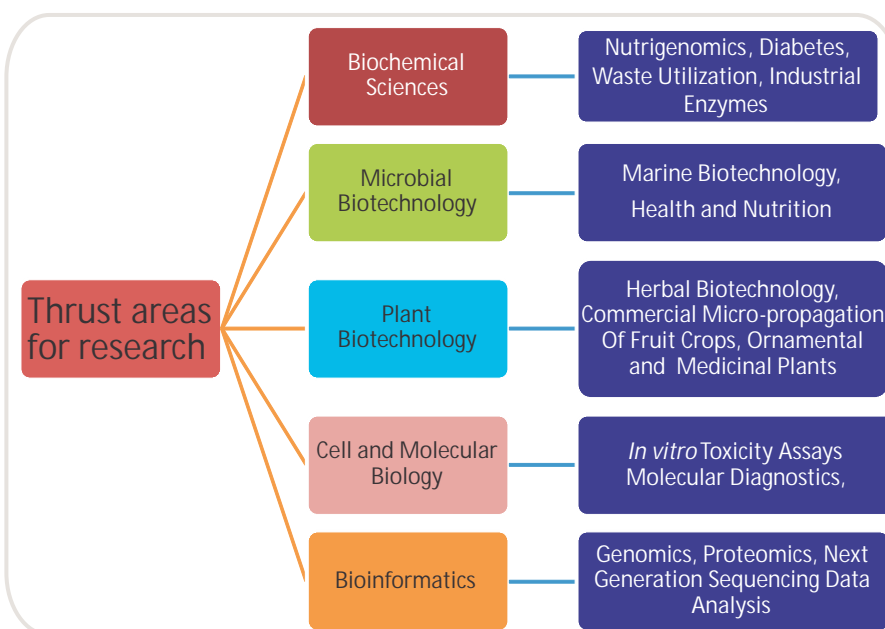
Seminar and workshop conducted at RGITBT

One day workshop on Entrepreneurship in Biotechnology - Issues & Challenges" on 1st Feb 2020.

- Workshop on ENTREPRENEURSHIP AWARENESS CAMP Sponsored by NSTEDB, Dept. of Science and Technology, Govt. of India during 26th to 28th December 2018.
- Awareness Program on Organ Donation on 4th August 2018.
- Guest lecture on Yoga and Biopsychology by Acharya Kripamayanand Avdhut 20th July 2018.
- Understanding Sustainability by Mr. Bhushan Patil on 17th Feb. 2018.
- Seminar on Relevance to Environmental and Waste management by Manjushree Tadvalkar on 20th Jan 2018.
- Career opportunities in Govt. sector through competitive examinations by Mr. Ashishkumar Dubey on 6th Dec 2017.
- Importance of Panchkarma by Dr. Meenaz Dhage on 16th Sept 2017.

Student enrichment programmes conducted at RGITBT

- Guest lectures from Biotech Industry and Academics.
- Film and documentaries shows related to Life science and current trends of Biotechnology as Saturday activity.
- Seminars and interactions with subject experts.
- Zoological and Botanical study tour and excursion.
- Biotechnology industry visit.
- Workshop for training in sophisticated Biotechnology equipments.
- Involvement of students in an entrepreneurial unit "Nature Tech" under earning while learning scheme for preparing kitchen and herbal kits, in vitro gift articles etc.



Placement of M.Sc. students (2019 Batch)

Sr.No.	Name of Student	Programme	Company Name
1	Aarti Kale	M.Sc. Biotechnology	Bharat Eco solutions and technologies, Pune
2	Aasawari Kane	M.Sc. Biotechnology	PA Rand D, PadCare Labs
3	Aayushi Patel	M.Sc. Biotechnology	Gangagen Biotechnologies Pvt Ltd, Bangalore
4	Aboli Ballal	M.Sc. Biotechnology	Project Assistant IRSHA, Pune
5	Aditi Godhamgaonkar	M.Sc. Biotechnology	Project Assistant IRSHA, Pune
6	Adolia Sangma	M.Sc. Biotechnology	Editorial Associate Springer Nature, Pune
7	Akshay Khopkar	M.Sc. Biotechnology	Trainee, Lupin Pharma Pune
8	Bhagyashree	M.Sc. Biotechnology	MD India, Pune
9	Brijesh	M.Sc. Biotechnology	Trainee Executive, QA, Intas Pharmaceuticals, Ahmadabad
10	Chaitanya Ghule	M.Sc. Biotechnology	Ph.D. Scholer University of Alabama, Birmingham
11	Daljeet Kaur	M.Sc. Biotechnology	Editorial Associate Springer Nature, Pune
12	Intisam	M.Sc. Biotechnology	Tainee, Group Pharma, Bangalore
13	Jhulik Pathak	M.Sc. Biotechnology	Technical Trainee, Stelis Biopharma, Bangalore
14	Jyoti Mohite	M.Sc. Biotechnology	Asst post Master, Govt of India
15	Jyotish	M.Sc. Biotechnology	Trainee, Lupin Pharma Pune
16	Kamini Gupta	M.Sc. Biotechnology	Editorial Associate Springer Nature, Pune
17	Kavyashree	M.Sc. Biotechnology	Innoflaps Remedy Pvt Ltd, Delhi.
18	Mangesh Solanke	M.Sc. Biotechnology	Serum Pvt Ltd, Pune
19	Mansi Gupta	M.Sc. Biotechnology	Trainee, Biocon Bangalore
20	Manu Chandra	M.Sc. Biotechnology	Acube LifeScience, Lucknow
21	Mayuri Bhadange	M.Sc. Biotechnology	JRF, NIV Mumbai
22	Nikita Joshi	M.Sc. Biotechnology	Project Assistant IRSHA
23	Nisha Jadhav	M.Sc. Biotechnology	Asst Client Partner, Access Healthcare, Pune
24	Nivedita Kadu	M.Sc. Biotechnology	Ascentrik Research, Pune
25	Niyati Jariwala	M.Sc. Biotechnology	Genius Coaching, Surat
26	Omkar Joshi	M.Sc. Biotechnology	Junior Knowledge Associate at Innoplexus
27	Rachita Mahajan	M.Sc. Biotechnology	Mangeshkar Hopsital, Pune
28	Ranjit Wagh	M.Sc. Biotechnology	Junior Knowledge Associate at Innoplexus
29	Sanjivani Bhosale	M.Sc. Biotechnology	Asst Client Partner, Access Healthcare, Pune
30	Chanchal	M.Sc. Biotechnology	CSIR NET qualified
31	Sonali Patil	M.Sc. Biotechnology	Asst Client Partner, Access Healthcare, Pune
32	Sujata Jadhav	M.Sc. Biotechnology	Wockhard Pvt Ltd, Pune
33	Sumit Prakash	M.Sc. Biotechnology	RA at Symbiosis institute Pune
34	Suruchi Kumari	M.Sc. Biotechnology	Global Data Research centre, Hyderabad
35	Ummesaida Badat	M.Sc. Biotechnology	Editorial Associate Springer Nature, Pune
36	Viniitha	M.Sc. Biotechnology	Editorial Associate Springer Nature, Pune
37	Yogesh Pawar	M.Sc. Biotechnology	Trainee Officer, Shilpa Medicare Ltd, Hubli
38	Gopika	M.Sc. Medical Biotechnology	Research Assistant , Jyithydev Diabetes and research Centre, Thiruanathpuram
39	Reshma	M.Sc. Medical Biotechnology	Editorial Associate, Springer Nature, Pune

40	Joya	M.Sc. Medical Biotechnology	Teacher Ryan International School
41	Shubham	M.Sc. Medical Biotechnology	LupinPharma Pune
42	Arya	M.Sc. Medical Biotechnology	Research Assistant, SIIMSAR Multispeciality Ayurvedic Hospital, Navi Mumbai
43	Isita	M.Sc. Medical Biotechnology	JRF NCMR, Pune
44	Vivek Nallawad	M.Sc. Medical Biotechnology	Trainee, LupinPharma Pune
45	Suraj	M.Sc. Medical Biotechnology	Trinee, LupinPharma Pune
46	Himanshi	M.Sc. Medical Biotechnology	Project Technician , IRSHA, Pune
47	Farah	M.Sc. Bioinformatics	Editorial Associate Springer Nature, Pune
48	Shobita Saxena	M.Sc. Bioinformatics	Persistent market reaserch
49	Akshanda Bhosale	M.Sc. Bioinformatics	Athena Consultancy Pvt. Ltd., Pune
50	Mudra Sonawane	M.Sc. Bioinformatics	Editorial Associate Springer Nature, Pune
51	Tanisha Batra	M.Sc. Bioinformatics	Editorial Associate Springer Nature, Pune
52	Siddhi Nargund	M.Sc. Bioinformatics	Persistent market research
53	Chaitanya Jangam	M.Sc. Bioinformatics	Junior Knowledge Associate at nnoplexus Consulting Services Pvt Ltd
54	Deepika Sonawane	M.Sc. Bioinformatics	Editorial Associate Springer Nature, Pune
55	Dhanraj Lomate	M.Sc. Bioinformatics	Junior Knowledge Associate at Innoplexus Consulting Services Pvt Ltd
56	Pratiksha Jadhav	M.Sc. Bioinformatics	Junior Knowledge Associate at Innoplexus Consulting Services Pvt Ltd



The course curriculum is designed to strengthen the fundamentals in basic subjects and provide hands on practice in all important disciplines of biotechnology. The curriculum also aims in developing scientific thinking, skills to analyze and apply knowledge through projects, industry and field visits and interaction with experts. In addition to core courses the curriculum offers numbers of elective courses. Elective courses are designed for facilitation of placement and redevelopment of technical skills for entrepreneurship/ research. Research being an integral part of biotechnology education, the syllabus also emphasises on project work to give an insight to current in research.

Course structure of M.Sc. Degree Course in Bioinformatics
Under Choice Based Credit System
 (to be implemented from 2019-20)

SEMESTER I

Title	Credits	IA	Univ. Exam	Total Credits
Cell Biology	2	40	60	
Biochemistry	2	40	60	
Biomathematics	2	40	60	
Biostatistics	2	40	60	
C Programming and Data structure	3	40	60	
Biological Informatics	3	40	60	25
DBMS	3	40	60	
Cell Biology and Biochemistry Lab	2	40	60	
C Programming and Data Structure Lab	2	40	60	
Biological Informatics Lab	2	40	60	
DBMS lab	2	40	60	

SEMESTER II

Title	Credits	IA	Univ. Exam	Total Credits
Biostatistics II	2	40	60	
R and data analytics	3	40	60	
JAVA and BioJAVA Programming	3	40	60	
Genomics	2	40	60	
Proteomics	2	40	60	
Molecular Biology	2	40	60	28
Recombinant DNA Technology	2	40	60	
PERL/HTML Programming	2	40	60	
Biostatistics and Data Analysis lab	2	40	60	
JAVA and BioJAVA Programming lab	2	40	60	
Genomics and Proteomics Lab	2	40	60	
Mol. Bio and RDT lab	2	40	60	
PERL/HTML Programming Lab	2	40	60	

SEMESTER III

Title	Credits	IA	Univ. Exam	Total Credits
Scientific Writing	2	40	60	30
Chemoinformatics and Drug Designing	3	40	60	
Structural Biology and Molecular Modeling	3	40	60	
Python Programming	2	40	60	
Biological Data Mining	3	40	60	
Recent Trends in Bioinformatics	3	40	60	
Pharmacovigilance / Selenium	2	40	60	
System Biology/Artificial Intelligence	2	Continuous Assessment		
Python Programming lab	2	40	60	
Chemoinformatics and Drug Designing Lab	2	40	60	
Biological Data Mining lab	2	40	60	
Structural Biology and Molecular Modeling Lab	2	40	60	
Pharmacovigilance / Selenium lab	2	40	60	

SEMESTER IV

Title	Credits	IA	Univ. Exam	Total Credits
Research Project	20	40	60	20

Total Credits Offered: 25 C, Sem I+ 28 C, Sem II +30 C, Sem III+ 20C, Sem IV = 103

Course structure of M.Sc. Degree Course in Biotechnology Under Choice Based Credit System

SEMESTER I

Title	Credits	IA	Univ. Exam	Total Credits
Microbiology	3	40	60	25
Biochemistry	3	40	60	
Cell & Developmental Biology	3	40	60	
Genetics	3	40	60	
Molecular Biology	3	40	60	
Biochemistry & Molecular Biology Lab	4	40	60	
Cell Biology & Genetics Lab	4	40	60	
Microbiology Lab	2	40	60	

SEMESTER II

Title	Credits	IA	Univ. Exam	Total Credits
Genetic Engineering	3	40	60	30
Analytical Biotechnology	3	40	60	
Immunology	3	40	60	
Genomics & Proteomics	3	40	60	
Nanobiotechnology	2	40	60	
Animal Tissue Culture	2	40	60	
Genetic Engineering and Genomics Lab	4	40	60	
Analytical Techniques and Proteomics Lab	4	40	60	
Immunology & Nanotechnology Lab	4	40	60	
Elective Bioentrepreneurship/ IPR I	2	Continuous Assessment		

SEMESTER III

Title	Credits	IA	Univ. Exam	Total Credits
Environmental Biotechnology	3	40	60	27
Plant Biotechnology	3	40	60	
Microbial Technology	3	40	60	
Food Biotechnology	2	40	60	
Biostatistics	2	40	60	
Research Methodology	2	40	60	
Environment & Plant Biotech Lab	4	40	60	
Bioprocess & Food Biotech Lab	4	40	60	
Biostatistics Lab	2	40	60	
Biomedical Waste Management/ Drug designing/ IPR II	2	Continuous Assessment		

SEMESTER IV

Title	Credits	IA	Univ. Exam	Total Credits
Research Project	20	40	60	20

Total Credits Offered: 25 C, Sem I + 30 C, Sem II + 27 C, Sem III + 20 C, Sem IV = 102 C

Course structure of M.Sc. Degree Course in Medical Biotechnology Under Choice Based Credit System

SEMESTER I

Title	Credits	IA	Univ. Exam	Total Credits
Microbiology	3	40	60	25
Biochemistry	3	40	60	
Cell & Developmental Biology	3	40	60	
Genetics	3	40	60	
Molecular Biology	3	40	60	
Biochemistry & Molecular Biology Lab	4	40	60	
Cell Biology & Genetics Lab	4	40	60	
Microbiology Lab	2	40	60	

SEMESTER II

Title	Credits	IA	Univ. Exam	Total Credits
Genetic Engineering	3	40	60	31
Analytical Biotechnology	3	40	60	
Immunology	3	40	60	
Genomics & Proteomics	3	40	60	
Nanobiotechnology	2	40	60	
Human Physiology	3	40	60	
Genetic Engineering and Genome Analysis Lab	4	40	60	
Analytical Techniques and Protein Analysis Lab	4	40	60	
Immunology & Nanobiotechnology Lab	4	40	60	
Elective Bioentrepreneurship/ Fermentation Technology	2	Continuous Assessment		

Elective Courses in Sem II: 1) Elective Open Course II; Option I: Bioentrepreneurship, Option II: Fermentation Technology

SEMESTER III

Title	Credits	IA	Univ. Exam	Total Credits
Animal Tissue Culture & Stem Cell Biology	3	40	60	26
Medical Biochemistry & Drug Discovery	3	40	60	
Infectious Diseases	3	40	60	
Pharmaceutical Biotechnology & Molecular Diagnostics	3	40	60	
Biostatistics	2	40	60	
ATC & Pharma Biotech Lab	4	40	60	
Infectious Diseases & Biostatistics Lab	4	40	60	
Medical Biochemistry & Drug Discovery Lab	2	40	60	
Biomedical Waste Management/IPR/ Drug designing	2	40	60	

Elective Courses in Sem III: 1) Elective Open Course II;

Option I: Biomedical waste Management Option II: IPR & Biosafety, Option III: Drug designing

SEMESTER IV

Project Dissertation: 20 Credits

Total Credits Offered: 25 C, Sem I+ 31 C, Sem II +26 C, Sem III+ 20C, Sem IV = 102 C



PROCEDURE AND RULES FOR ADMISSION

1 ONLINE COMPUTER BASED ENTRANCE TEST - GENERAL INSTRUCTIONS, TERMS AND CONDITIONS:

- 1.1 MBT (M. Sc. Biotechnology) 2020 is a ranking examination for admission to M. Sc. Biotechnology / M. Sc. Medical Biotechnology / M. Sc. Bioinformatics post graduate programmes for 2020-21 academic session.
- 1.2 Applicant may kindly note that mere appearance in the online computer based entrance test and inclusion of name in the merit list does not confer any automatic rights to secure admission to the programme offered by the institute. The selection and admission to the programme is subject to fulfilling the admission criteria, eligibility, and any such criteria as may be prescribed by the University and availability of seats to the particular programme and institute at the time of counseling.
- 1.3 Applications of candidates producing false or fabricated information will not be considered
- 1.4 Before initiating online registration process, candidates should go through the Information brochure carefully for eligibility criteria, and pattern of examination etc. The information brochure shall be available at www.bvuniversity.edu.in
- 1.5 Incomplete online application, if not in accordance with instructions, will not be considered and processed. Applicant should carefully fill up all the fields during online application process and complete the payment process. Application once submitted finally, cannot be withdrawn/modified.
- 1.6 The online computer based entrance test fee, once paid, will not be refunded under any circumstances. Candidates who remain absent for the online computer based entrance test will forfeit their entrance test fee.
- 1.7 The Information brochure is subject to modification without notice, please check the website regularly for updations, if any.
- 1.8 The authorities of the institution reserves the right to withdraw permission, if any, granted inadvertently to any candidate who is not eligible to appear in the online computer based entrance test even though Admit card/Registration number has been issued.
- 1.9 The Admissions provided to candidates based on the result of the online computer based entrance test will be purely provisional and subject to the fulfillment of eligibility criteria as mentioned in the Information brochure.
- 1.10 Under no circumstance a change in online computer based entrance test centre once selected by the candidate will be allowed.
- 1.11 Candidates MUST bring the following documents to the test centre– (a) Printed copy of Admit Card (b) Any one of the authorized photo IDs (must be original, valid and non-expired): Aadhaar Card /PAN card/Driving license/Voter ID/Passport.
The name on the photo identification must match with the name as shown on the Admit card. Candidate reporting to online computer based entrance test center without the above said requisite documents shall not be allowed to appear for the online computer based entrance test.
- 1.12 All the correspondence should preferably be addressed by e-mail. The e-mail query shall be addressed only if it is not anonymous and not vague.
- 1.13 Candidates are deemed to have read, agreed and accepted the terms and conditions in the Information brochure and on completing the online registration/application form for the entrance test.
- 1.14 In case differences of opinion or any ambiguity in interpretation and implementation of any of the instructions /terms/rules/criteria regarding the determination of eligibility/conduct of examinations/registration of candidates / information contained herein, the same shall be referred to the Vice Chancellor of the Bharati Vidyapeeth (Deemed to be University) and his decision shall be final and binding on all concerned.
- 1.15 Any legal matters arising out of the total admission process through the All India Common Online Computer Based Entrance Test of Bharati Vidyapeeth (Deemed to be University), Pune – 30 i.e. MBT (M. Sc. Biotechnology) 2020, shall be within the exclusive jurisdiction of competent courts at Pune, Maharashtra State only.

2. GENERAL

The information and the rules given here in are applicable for admissions to the first year of two years full time (M. Sc. Biotechnology) / Medical Biotechnology / Bioinformatics post graduate degree programme of Bharati Vidyapeeth (Deemed to be University), Pune.

The seats will be filled on merit, based on their performance in "CET MBT - 2020 online computer based entrance test", conducted by Bharati Vidyapeeth (Deemed to be University) at the designated centers.

INTAKE CAPACITY:

Course	M. Sc. Biotechnology	M. Sc. Medical Biotechnology	M. Sc. Bioinformatics
Total Seats	60	20	20

Note :

Out of the sanctioned intake, in each course 15% seats are reserved for Foreign / N.R.I. / P.I.O. / OCI/ Institutional Quota Merit Category. Candidates desirous of getting admission under the Foreign / N.R.I. / P.I.O. / OCI/ Institutional Quota Merit category will have to apply separately on a prescribed application form. The application form will be available at the office of The Registrar, Bharati Vidyapeeth (Deemed to be University), Bharati Vidyapeeth Bhavan, L.B.S. Marg, Pune-30. The form fee for this category is Rs. 1,000/- (non refundable). Seats remaining vacant after allotment to Foreign / NRI / P.I.O. / OCI Students (based on Merit), will be allotted to Indian students under Institutional Quota on the basis of merit based on the marks obtained by them in "CET MBT - 2020". The last date for submission of form to this category at the above mentioned address is **30th July 2020 before 5.00 p.m.**

All the candidates seeking admissions will have to appear for online computer based entrance test CET MBT-2020. conducted by Bharati Vidyapeeth (Deemed to be University), Pune for M. Sc. Biotechnology) / Medical Biotechnology / Bioinformatics respectively. All candidates will have to apply online & fill the prescribed online application form.

3 ELIGIBILITY

- 3.1 The candidate must be an Indian National.
- 3.2 For M.Sc. Biotechnology : The candidate should have passed B.Sc. from any recognised university or its equivalent examination in any of the subjects, Biotechnology / Microbiology / Biochemistry / Agriculture / Life Sciences / Chemistry / Zoology / Botany with minimum 50% aggregate in the respective subjects. (45% in case of SC / ST).
- 3.3 For M.Sc. Medical Biotechnology : The candidate should have passed B.Sc. from any recognized university or its equivalent examination in any of the subjects, Biotechnology / Biochemistry / Zoology / Microbiology / Botany / Chemistry / Pharmacy / Medicine including homeopathy and Ayurveda/ Veterinary science with minimum 50% (45% in case of SC / ST) aggregate marks in graduation.
- 3.4 For M.Sc. Bioinformatics: The candidate should have passed B.Sc. Bachelor's degree in any discipline of science & technology with minimum 50% (45% in case of SC / ST) aggregate marks from any recognized university.

4. BASIS OF SELECTION FOR ADMISSION

- 4.1 A Candidate desirous of seeking admission to M. Sc. Biotechnology/M. Sc. Medical Biotechnology / M.Sc. Bioinformatics Programme should fulfill the minimum eligibility condition as stated in point no. 3 above, and will be offered a seat based solely on the merit obtained at the all India entrance test "MBT - 2020" conducted by Bharati Vidyapeeth (Deemed to be University), Pune.
- 4.2 He / She must have appeared for the "MBT -2020" online computer based entrance test, conducted by Bharati Vidyapeeth (Deemed to be University), Pune at designated centres.
- 4.3 The Candidate shall be offered admission on the basis of his/her rank in the final merit list and availability of the seats for a particular programme at the time of counseling and admission in the concerned Institute. Mere appearance in the online computer based entrance test and inclusion of name in the merit list does not confer any automatic rights to secure admission to the programme offered by the institute. The selection and admission to the programme is subject to fulfilling the eligibility criteria.
- 4.4 In case two or more candidates obtaining equal marks in the "MBT -2020" the inter-se-merit of such candidates shall be determined in order of preference as under:
 1. Candidate obtaining higher marks in Graduation, if equal
 2. Candidate obtaining higher marks in 12th standard examination, if equal
 3. In case of tie at this level, computerised random selection of candidate will be carried out.

5. NATURE OF ONLINE COMPUTER BASED ENTRANCE TEST "MBT (M. Sc. Biotechnology) 2020"

- 5.1 "MBT -2020" is a online computer based entrance test for admission to M. Sc. Biotechnology/Medical Biotechnology / Bioinformatics Programme
 The "MBT-2020" will consists of one question paper, set in English and will contain 100 multiple choice objective-type questions. These questions will be based on the syllabus mentioned in Annexure I. Equal weightage will be given for all subjects prescribed in the syllabus. It consists of 100 multiple choice questions, one mark each with four alternatives, with only one correct or most appropriate answer. One Mark will be awarded for each correct answer. There is no negative marking.

6. ONLINE COMPUTER BASED ENTRANCE TEST SCHEDULE AND ADMIT CARDS:

The online computer based entrance test "MBT-2020" will be held on **10th August 2020** with last date of application being **30th July 2020**.

The admit cards will be available from seven days prior to the date of entrance test. The candidates will have to login with their credentials provided and download their respective admit cards of the entrance test which they have applied for.

- 16.1 The reporting time before the gate closes shall be mentioned in the admit card. The candidate must report as per the time schedule at the online computer based entrance test venue.
- 6.2 The candidates must bring this Admit Card at the online computer based entrance test Centre. No candidate will be allowed entry without this Hall Ticket. The candidate is also required to bring one of the photo identification card in original viz. Voter Identity Card, Driving License, PAN Card, Passport or Adhar Card etc.
- 6.3 No candidate will be allowed to enter the online computer based entrance test Center after the scheduled time of reporting for the examination.

- 6.4 The candidates appearing for the online computer based entrance test should, in their own interest, check their eligibility in all respect so as to avoid disappointment at any later stage. Your application for the online computer based entrance test is "PURELY PROVISIONAL" pending detailed scrutiny of your fulfilling the eligibility conditions as mentioned in the information brochure for the programme applied. In case, it is found that the candidate does not fulfill the eligibility criteria, application of such candidate is liable to be rejected at any stage of admission process or even after joining in the Institute.

7. TEST CENTRES:

The "MBT-2020" online computer based entrance test will be conducted through "Online Computer Based entrance test". The tests will be held in 58 centres throughout the country giving students a wide choice of online computer based entrance test centres.

The list of cities where the online computer based entrance test centres are located is as below :

SR NO	CITY	SR NO	CITY	SR NO	CITY	SR NO	CITY
1	GUWAHATI	16	AMRITSAR	31	BANGALORE	46	THANE
2	PATNA	17	JAMMU	32	ERNAKULAM/COCHI/KOCHI	47	AURANGABAD
3	MUZAFARPUR	18	JAIPUR	33	HYDERABAD	48	SANGLI
4	RANCHI	19	KOTA	34	RAIPUR	49	KOLHAPUR
5	JAMSHEDPUR	20	JODHPUR	35	PANAJI	50	KARAD
6	IMPHAL	21	ALLAHABAD	36	AHMEDABAD	51	NASIK
7	BHUBANESWAR	22	LUCKNOW	37	BARODA	52	PUNE
8	KOLKATA	23	VARANASI	38	SURAT	53	JALGAON
9	CHANDIGARH	24	MEERUT	39	RAJKOT	54	AKOLA
10	GHAZIABAD	25	BAREILY	40	INDORE	55	AHMEDNAGAR
11	FARIDABAD	26	GORAKHPUR	41	BHOPAL	56	LATUR
12	NEW DELHI	27	KANPUR	42	JABALPUR	57	SOLAPUR
13	ROHTAK	28	AGRA	43	AMRAWATI	58	SRI NAGAR
14	KARNAL	29	NOIDA	44	NAGPUR		
15	SHIMLA	30	DEHRADHUN	45	MUMBAI		

*Note: If the candidates count for a centre is less than 20, then the candidate will be allocated to the nearest available centre. NO REQUEST FOR CHANGE IN EXAMINATION CENTRE WILL BE CONSIDERED UNDER ANY CIRCUMSTANCES.

- 7.1 Candidates shall appear at the online computer based entrance test centre as shown on their Admit Cards.
- 7.2 Candidates have the option of selecting their city to appear for the entrance online computer based entrance test during filling up of online application form.
- 7.3 Candidates are advised to familiarize themselves with the route and location of the online computer based entrance test centre.
- 7.4 Only registered candidates with valid admit card and identity card will be allowed at the online computer based entrance test centre
- 7.5 The candidates must reach the online computer based entrance test centre at least one and half hour prior to the commencement of online computer based entrance test on the day of the online computer based entrance test.
- 7.6 Possession and use of electronic devices such as Mobile Phone, Micro Phone or any other Associated Accessories, Calculator, Log Tables, Pager, Digital Diary Books etc are strictly prohibited in the Examination Hall. If any candidate is found in possession of any these devices/ documents his/her candidature is liable to be cancelled. As such the candidates should not bring Mobile Phone/ Micro Phone etc at the online computer based entrance test Centre. BHARATI VIDYAPPETH & online computer based entrance test CENTER will not be responsible for its safe custody.

- 7.7 The authorities of Bharati Vidyapeeth (Deemed to be University) however reserve the right to make suitable changes in the centre venue or schedule of the online computer based entrance test.

8. ENTRANCE TEST FEE:

- 8.1 Entrance test fee: Rs 1,450 /-
- 8.2 The online computer based entrance test fee shall be paid through payment gateway using internet banking mode or through debit/credit card. Service charges and other taxes for transaction as applicable by bank has to be paid by the applicant.
- 8.3 The online computer based entrance test fee, once paid, will not be refunded under any circumstances. Candidates who remain absent for the online computer based entrance test will forfeit their online computer based entrance test fee.

9. APPLICATION PROCEDURE:

A candidate desirous of appearing for the "MBT-2020" online computer based entrance test is required to complete the prescribed online application form and submit to the University along with entrance test fee.

The application form is available online at: www.bvuniversity.edu.in

The candidates should strictly follow the instructions given in the website while filling up the application form online, and must read the instructions carefully before filling up the online application form. Instructions are mentioned at 'Registration Guide' menu which is available on website. Before filling up the application form online, candidates should:

- Create their login credential
- Have a scanned image of their recent passport size photograph (Refer to guidelines mentioned on the Website)
- Have a scanned image of their signature, ready before filling up the online application form.
- Read the procedure and guidelines for online payments of test fee which is to be made through Credit Card / Debit Card/ Internet Banking. (Refer to guidelines, terms and conditions for using online payment mentioned on the website)

The candidate may then proceed to fill the form and submit the completed online application form. The candidate should take a print of payment receipt and completed online application form for reference and as a record.

Candidates should submit the completed online application form on or before the last date mentioned in the website. (See "Important dates" in the brochure.)

Candidate should ensure that all information entered during the online application process is correct.

Applications of candidates producing false or fabricated information will not be considered.

The authorities of the University do not edit /modify/alter any information entered by the candidates at the time of online application process under any circumstances. Any request for change in information thereafter will not be entertained.

For any queries related to filling online application form, Email to : cet@bharatividyaapeeth.edu

Tel. No. 020-24407131/132/133/163

***Note: NO REQUEST FOR CHANGE IN EXAMINATION DATE AND EXAMINATION CENTRE WILL BE CONSIDERED UNDER ANY CIRCUMSTANCES.**

The university will not be responsible if the candidate has filled in and submitted an application for a different test from the one intended to appear. In such cases the university will not refund the entrance test fees.

10. Instructions regarding Online Computer based entrance test.

About Question Paper:

- 1) The duration of the CET exam is One and half hour. The online test comprises of 100 marks. It will be of 100 multiple choice questions
- 2) All questions are compulsory. For each question, for alternatives answers have been provided out of which only one answer is correct.
- 3) Only one question will be displayed on the computer screen at a time.
- 4) There is one mark for each question which will be displayed at the top right hand corner of each question.
- 5) There is no negative marking.
- 6) The question paper will appear in English language.
- 7) Candidates can attempt question in any sequence by clicking on the question number in the Section wise Summary Report reflecting on the left hand side of the screen.
- 8) The exam screen will continuously display the remaining time at the top right hand corner of the question paper.
- 9) The candidates may ask the Invigilator their doubts or questions before the commencement of test. No queries shall be entertained after the commencement of the examination.
- 10) Additional rough Sheet (if required) shall be provided to the candidates for rough work during the test. All the rough sheets need to be returned to the Invigilator before leaving the test venue.

About Answering Questions:

- 1) In order to answer a question, you have to 'Click' the option you think is appropriate/ correct. The alternative which has been clicked on will be highlighted and shall be treated as the answer given by you for the question.
- 2) If you do not wish to attempt the question then you should not click on any option for that question and may click 'Next'.
- 3) You can 'Bookmark' questions to review before submitting.
- 4) You can navigate between questions either by clicking on 'Previous/Next' or by directly clicking on the question numbers which are displayed as attempted/ unattempted /book marked in the Section wise Summary Report.

About Preview and Submission:

- 1) The answers are saved whenever the candidate navigates e.g. by clicking on Next/ Previous button
- 2) The candidates can make changes in their choice of alternative only before the paper is auto submitted.
- 3) After the expiry of 90 minutes the candidates will not be able to attempt any question or check their answers. The answers of the candidate would be saved and submitted automatically by the computer system.

Candidate can be debarred /disqualified by the Center-In-Charge for any of the following reasons:

- 1) Creating a disturbance.
- 2) Impersonate - Attempting to take the examination for someone else.
- 3) Giving or receiving assistance of any kind during the examination & communication in any form between candidates or with outsiders or gesticulation or disturbance or attempt to change seat / question paper in the examination hall
- 4) Attempting to tamper with the operation of the computer or meddling with system.
- 5) Leaving the test center without the permission from the invigilator.

- 6) Using prohibited aids, item not allowed, such as: Calculators, Cell Phones, Pieces of Paper, Electronic Diaries, Watch alarm, listening device, recording or photographic devices, or any other unauthorized device.
- 7) Attempting to remove examination question and /or examination responses (in any format) from the examination center.
- 8) Failing to follow instructions of invigilator or test center staff.
- 9) Manhandling of invigilators or test center staff.
- 10) Any suspicious act by the candidate which, as per the opinion of the Client observer, has created an impression of unfairness during the examination
- 11) Resorting to unfair means or trying to influence any person duly authorized to conduct the examination, in any way for examination results shall be considered as a serious offence. The candidate shall be liable to have his/her name removed from the list of candidates for the examination and may also be further dealt with in such manner as client may deem fit.
- 12) The Chief proctor is authorized to dismiss the candidate/s from the examination center for any misconduct by the candidates and the decision will be final and binding.
- 13) Any candidate found in possession of any unauthorized material or indulging in copying or impersonation or adopting unfair means shall entail disciplinary action including cancellation of candidature and debarment for three years.
- 14) In the event of the Examination being disrupted, the candidate should immediately inform the invigilator. The invigilator will help the candidate to re-login to the Examination. This will start the Examination from where it had Stopped.
- 15) A mock test will be available on the bvuniversity.edu.in website for practice for all candidates who have been issued Admit Cards for the exam.

11. DECLARATION OF RESULT:

The combined merit list of "MBT-2020" (Based on 100 marks) will be declared on **18th August 2020 after 5 p.m.** Separate merit list will be prepared for Regular category and Foreign/NRI/PIO/OCI/ Institutional Quota Merit Category.

The merit list of "MBT-2020" online computer based entrance test will be displayed at www.bvuniversity.edu.in and at RGITBT, Pune

It is not possible to send individual invitation for counselling to the candidates. It shall be the responsibility of the individual candidate to see their own merit number and appear for the counselling at the centre of his/her choice as per schedule given in No. 12.

12. COUNSELING AND SPOT ADMISSIONS:

The counselling and on the spot admissions session will be held at **Bharati Vidyapeeth (Deemed to be University), Rajiv Gandhi Institute of Information Technology & Bio Technology, Pune Satara Road, Katraj, Pune 411 0 43 Tel. No.: 020 24379013**, as per the following schedule.

Date	Course	Category	Merit No.	Time
24 August 2020	M.Sc.Biotechnology / Medical Biotechnology/ Bioinformatics	Regular Merit	All	10.00 a.m.
24 August 2020	M.Sc.Biotechnology / Medical Biotechnology/ Bioinformatics	Foreign/NRI/PIO/ OCI/ Institutional Quota Merit	All	2.00 p.m.

The candidate must report for counselling at 10.00 a.m. only, on the date of the counselling at BVDU RGIT & BT. FAILURE TO REPORT FOR COUNSELLING ON THE SCHEDULED DATE AND TIME WILL RESULT IN INSTANTANEOUS CANCELLATION OF A CLAIM OF THE CANDIDATE TO THE SEAT.

The candidate must note that appearance for the online computer based entrance test and inclusion of name in the merit list does not necessarily mean that he/she will get admission to the institute & course. The admission will depend upon the availability of seats to the particular programme and institute at the time of his counselling.

It shall be candidates responsibility to see the result of online computer based entrance test "MBT- 2020" and confirm their merit no. The candidate should remain present for counselling as per the schedule.

Individual counselling letters are not going to be sent. The candidate should attend counselling & on the spot admissions on their own as per the schedule given. The candidate should bring along with them proof of having appeared for the "MBT -2020" online computer based entrance test such as Admit Card of online computer based entrance test & or photo copy of online application form / D.D. etc.

The candidate will be called for counselling as per their merit number and will be offered a seat as per availability of the seat in the particular programme.

12.2 The following certificates in original along with self-attested two copies each of the same are to be submitted at the time of counselling and on the spot admission.

- (a) For a Proof of date of Birth : SSC Certificate or School/College Leaving
- (b) Certificate of Domicile/Nationality Certificate
- (c) Statement of marks of B.Sc. examination (All three years)
- (d) Transfer Certificate from the Institution in which you had studied last.
- (e) Migration Certificate
- (f) Character Certificate from a responsible person.
- (g) Certificate of Medical Fitness.
- (h) Gap Certificate (If applicable)
- (i) Six recent passport-size photographs with your names written on backside.
- (j) Self attested copies of any one of the authorized photo IDs (must be original, valid and non-expired): Aadhaar Card /PAN for proof of permanent address.
- (k) Caste Certificate (for SC/ST only)
- (l) Caste Validity Certificate (for SC/ST only)

12.3 After scrutiny of their certificates, the candidates are offered admission according to their rank and availability of seats.

13.FEE STRUCTURE for 2020-2021 only :

Note : The fee structure for the academic year 2020-21 will be available at bvuniversity.edu.in

Mode of Payment of Fees shall be as given below

The fee is to be paid through Bank Draft of any Nationalized bank drawn in the name of "The Registrar, Bharati Vidyapeeth Deemed University, Pune" payable at Pune.

Fee is accepted in only Demand Draft mode on any nationalized bank. University / Institute will not accept fees by Online / Net Banking / NEFT / RTGS Mode.

If a candidate fails to confirm admission given to him/her, the same shall stand cancelled and the resultant vacancy will be offered to the next eligible candidate from the list. However , if candidate is unable to report in person, he /she can depute a representative with an authority letter signed by the candidate (appended in this brochure) along with requisite documents under sec. 12 above and Demand Draft of fees .

There are a few seats available in the hostel which will be allotted on first come first served basis.

Those who are desirous of getting admission to the hostel will be required to pay the entire amount of rent for the year as well as the mess charges for the entire academic year at the time of admission only. The details of hostel fees will be given during counselling. The payment for the hostels should be made by separate Demand Draft.

14. REFUND OF FEE:

If the student chooses to withdraw from the program of studies in which he/she is enrolled, the refund of the fees paid will be made as per the following UGC guidelines

Sr. No.	Percentage of Refund of Aggregate Fees*	Point of time when notice of withdrawal of admission is submitted to the university
1	100%	15 days or more, before the formally- notified last date of admission.
2	90%	Less than 15 days before the formally- notified last date of admission.
3	80%	15 days or less, after the formally notified last date of admission.
4	50%	30 days or less, after the formally notified last date of admission.
5	0%	More than 30 days after the formally notified last date of admission.

*(inclusive of course fees but exclusive of caution deposit)

- In case of (1) in the table above , the University shall deduct Rs. 5,000/- as processing charges form the refundable amount.
- Any student who withdraws form the course as mentioned in Sr. No.5 and thereafter will be required to remit to the University, in addition to the amount already forfeited, the course fee payable for the remaining period of the course.
- In case of Foreign/NRI candidates, the refund will be made in accordance with RBI/ Foreign exchange regulations.
- All refunds will be processed by the respective unites of the University upon receiving the approval from the Registrar based on the recommendation of the head of the Institution. Refund will be made only after the candidate has surrendered the ID card, original fee receipt and the dues clearance certificate.
- Application and Entrance Test Fees, wherever applicable, once remitted shall NOT be refunded under any circumstances.
- The refund information given above is indicative only and Bharati Vidyapeeth (Deemed to be University) reserves the right to make changes as per the notifications received form the concerned statutory / regulatory authorities from time to time.

** The date of opening of the college shall be deemed to be the last date of admission for the limited purpose of admission and refund of fees.

15. CONDUCT AND DISCIPLINE:

If any student is found indulging in anti national activities, or in activities that run contrary to the letter and spirit of the provisions of Acts and Laws enforced by the Government, or any activity that causes his/her behavior to be contrary to rules of discipline, will be liable to be expelled from the College forthwith without any notice by the Principal of the College.

If any of the statements made in application form or any information supplied by the candidate in connection with his/her admission is, at any time, found to be false or incorrect and willful suppression of facts, his/her admission will be cancelled forthwith. The fees will be forfeited and he/she may be expelled from the College by the Principal and prosecuted, if deemed necessary.

Each of the candidates seeking admission in the institute is required to give the following undertaking at the time of admission:-

- A) " I have read all the Rules of Admission for the current year and after fully understanding these rules, I have filled in this application form for admission for the current year.
- B) The information given by me in my application is true to the best of my knowledge and belief.
- C) I have not been debarred from appearing at any examination conducted by any Government constituted or Statutory autonomous examination authority in India.
- D) I fully understand that the Director of the Institute will have right to expel, rusticate me from the Institution for any infringement of the Rules of good conduct and discipline in general and particularly the ones referred to above and the rules of good conduct and discipline prescribed by the Institute/ University and in the undertaking given above."

16. MISCELLANEOUS:

- 16.1 The candidates are informed that the medium of instruction, for all programmes is English.
- 16.2 At the time of seeking admissions, a candidate will be provisionally admitted to Programme at the Institute subject to the production of the Provisional Eligibility Certificate from the University.
- 16.3 The Institution shall have the right to satisfy about the conduct and character of a candidate by verifying antecedents of a candidate through the appropriate police-authority, before admitting him/her to the Institution.
- 16.4 The Attention of the candidates is particularly invited to the provisions of rules regarding the eligibility of candidates for admission to the "M. Sc. Programme". If at any stage it is found that a candidate is not eligible either for admission to "M. Sc. Programme", his/her candidature and admission even if granted provisionally will be cancelled forthwith.
- 16.5 Differences of opinion and disputes arising in the interpretation and implementation of the clauses in this Brochure, if any, will be referred to the Vice-Chancellor of the Bharati Vidyapeeth (Deemed to be University), Pune and his decision shall be final and binding on all the concerned.

SYLLABUS FOR ENTRANCE EXAMINATION MBT-2020

Students appearing for the entrance examination for admission to M.Sc. Biotechnology/M.Sc. Medical Biotechnology/M.Sc. Bioinformatics, should be thorough with the syllabus studied at Bachelor's level. The syllabus given below may be followed as a general guideline for the entrance test. A brief outline of the subject-wise topics is as follows:

BOTANY :

Botanical Nomenclature; Classification; Taxonomy; Plant development; Embryogenesis; Types of plant reproduction; Methods of plant improvement; Plant cell biology; Plant genetics; Mutations and Polyploidy; Mendel's experiments and principles of inheritance; Multiple allelism; Quantitative Genetics; Linkage and recombination; Cytoplasmic inheritance; Alterations in genetic make-up: Change at genetic level and in chromosome structure; General account of plant pathogens; Pathogen attack and defense mechanism; Plant disease epidemiology; Plant disease management; Principles of plant protection; Molecular plant pathology; Air-borne biological materials; Analysis of aerospora; Plant genomes; Plant genetic engineering; Plant tissue culture; Fermentation technology; Bio-fuels.

CELL BIOLOGY & MOLECULAR BIOLOGY

Classification of animals, invertebrates and vertebrates

Structure of prokaryotic and eukaryotic cell, cell organelles, membrane structure and function, cytoskeleton, cell cycle, nucleic acids properties and functions, genetic code, replication, Transcription, Translation; Genetic code; DNA damage and repair. Recombinant DNA technology and Molecular Biology techniques:- Dot-blot hybridization, PCR, Finger printing RFLP, Genome mapping, in-situ hybridization; Animal and plant cell culture:- Techniques and applications; Vaccines; Media for industrial fermentations; Strain improvement; Recovery and purification of fermentation products; Different types of bioreactors; Bio-inoculants; Fermentation processes.

BIOCHEMISTRY :

Compounds of carbon; Functional groups and their chemistry; Macromolecules:-carbohydrates, lipids, proteins; Enzymes; Vitamins; Concept of molecular weight, molecular mass, their related units; Standard solutions:- Normality, Molarity, pH-calculations; Buffers; Water; Osmosis; Osmotic pressure; Hypertonic-hypotonic-Isotonic solutions; Density gradient; Basics of plant and animal cell:-their structure-function relationships; Basic concepts related to instruments like pH meter, spectrophotometer; Concepts related to potential difference, potential gradient, electrochemical cell, emf.

MICROBIOLOGY :

General properties and principles of classification of actinomycetes, bacteria, fungi and viruses; Bacterial structure: Nutrition, overview of metabolism, Virus diversity; Virus replication cycle; Medically important bacteria: Staphylococci, Enterobacteria, *Clostridium*, *Pseudomonas* etc ; Epidemiology and public health; Antimicrobials and their mode of action; Principles of microscopy : Types of Microscopes: Bright field, Dark field, Phase contrast ; Antigen-antibody structure, functions and reactions; Innate and adaptive immunity; Organs and cells of immune system; Transformation; Transduction; Conjugation; Plasmids; Industrial Microbiology: Introduction to fermentation process; Preservation and importance of industrially important micro-organisms; Strain Improvement; Media for industrial fermentations; Inoculum development; Bioinoculants; Fermentor design; Instrumentation and control; Types of Bioreactors; Aeration and agitation; Recovery and purification of fermentation products; Effluent treatment; Recombinant DNA Technology: Basic principles of gene cloning; Vectors for gene cloning: plasmids and bacteriophages; DNA modification enzymes; Purification of DNA from living cells; Introduction of DNA into living cells; Techniques use in RDT; Cloning vectors for *E.coli*.

BIOINFORMATICS:

Basic of Bioinformatics, Basic of Computer, Introduction to Programming Languages

Annexure - II

AUTHORISATION FOR REPRESENTATIVE

I,, son /daughter of
....., being unable to attend the counselling
session for admission to the M.Sc Biotechnology / M.Sc. Bioinformatics / M.Sc. Medical Biotechnology courses
in Bharati Vidyapeeth (Deemed to be University) Rajiv Gandhi Institute of IT & Biotechnology , Pune on
..... hereby authorise son/daughter of
.....

whose photograph is affixed below and who will sign as shown below, to represent me at the counselling and
on-the-spot-admission. I hereby declare that the choice of course made by this authorised representative will be
irrevocable and that it will be final and binding on me. This authorised representative will present all the
necessary documents, pay the appropriate fees and complete all the necessary formalities on my behalf.

Name of the candidate:.....

(IN CAPITAL LETTERS)

Seat No.(ET-MBT -2020 Examination):.....

Place:.....

Date:.....

Reason for absence:.....

Specimen signature of the Representative

Signature of the Candidate

A recent passport size
photograph of the
representative should
be affixed here.

A recent passport size
photograph of the
candidate should
be affixed here.

IMPORTANT NOTICE

The students and the parents will have to submit the printouts of antiragging undertaking online on the following websites

website 1: www.antiragging.in

2: www.amanmovement.org

This has to be submitted immediately after the conformation of the admission.

Note :

As per the directions of Hon'ble Supreme Court of India Order No. SLP(C) No. 24295/2004 and SLP No. 143656/2005, WP (C) No. 173/2006 and SLP(C) No. 24296-24299/2004 all the students are hereby informed the following.

"If any incidents of ragging comes to the notice of the authority, the concerned students shall be given liberty to explain and if his explanation is not found satisfactory the authority would expel him from the institution."

All the students should note the above directives from the Supreme Court.

Registrar
Bharati Vidyapeeth
(Deemed to be University)

CALENDER EVENTS

Entrance Test For MBT - 2020

OUR INSTITUTES

(For Information)

: CET Office :

Bharati Vidyapeeth

(Deemed to be University)

Second Floor, CET Dept.,

Bharati Vidyapeeth Bhavan,

L.B.S. Marg, Pune 411 030.

(Tel. No. 020-24407131/132/ 133

between Mon-Fri : 10.00 a.m. to

1.30 p.m. and 2.30 p.m. to 5.30 p.m.,

Sat : 9.00 a.m. to 1.30 p.m.)

For Enquiry

Contact Tel. No. : 24407131/132/133/163

Website : www.bvuniversity.edu.in,

E-Mail : cet@bharatividyaapeeth.edu

Pune

Bharati Vidyapeeth (Deemed to be University)

**Rajiv Gandhi Institute of Information
Technology And Biotechnology**

Katraj, Pune 411 046.

Tel. No.: 020-24379013, 24365713

Website : rgitbt.bharatividyaapeeth.edu

Email : rgitbt@bharatividyaapeeth.edu

Entrance test fee along with completed
online application form is Rs. 1450/-
(Non Refundable)

- A) Last date for submission of online application form **30th July 2020** upto 5.00 p.m.
at : www.bvuniversity.edu.in
- B) Date of Online Computer Based Entrance Test **10th August 2020**
- C) Declaration of result **18th August 2020** after 5.00 pm.
at : www.bvuniversity.edu.in
- D) Counseling and on the spot admissions **24th August 2020**
- E) Venue for counseling :
Bharati Vidyapeeth
(Deemed to be University),
**Rajiv Gandhi Institute
of Information Technology And
Biotechnology**, Katraj, Pune-46.
Tel. No.: 020-24379013,
- F) Commencement of Classes **1st September 2020**

Schedule of Counseling :

The candidates whose names are included in the merit list prepared on the basis of MBT-2020 should attend the counseling sessions and on the spot admission sessions for admission to First Year M.Sc. Biotechnology/Medical Biotechnology / Bioinformatics as per their ranks. The counseling sessions will be conducted at Bharati Vidyapeeth (Deemed to be University), Rajiv Gandhi Institute of Information Technology and Biotechnology, Katraj, Pune - 46.

The seats will be allotted by merit and Bharati Vidyapeeth (Deemed to be University) does not assume any responsibility for non availability of seats as it may happen that a seat may not be available when his / her turn comes up for counseling.

Date	Course	Category	Merit No.	Time
24 August 2020	M.Sc.Biotechnology Medical Biotechnology/ Bioinformatics	Regular Merit	All	10.00 a.m.
24 August 2020	M.Sc.Biotechnology Medical Biotechnology/ Bioinformatics	Foreign/NRI/PIO/ OCI/ Institutional Quota Merit	All	2.00 p.m.



Rajiv Gandhi Institute of I. T. & Biotechnology



Bharati Vidyapeeth
(Deemed to be University) Pune, India.

Bharati Vidyapeeth Bhavan, Lal Bahadur Shastri Marg, Pune - 411 030.

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E-Mail : cet@bharatividyaapeeth.edu