



BHARATI VIDYAPEETH

**(Deemed to be University)
Pune, India.**

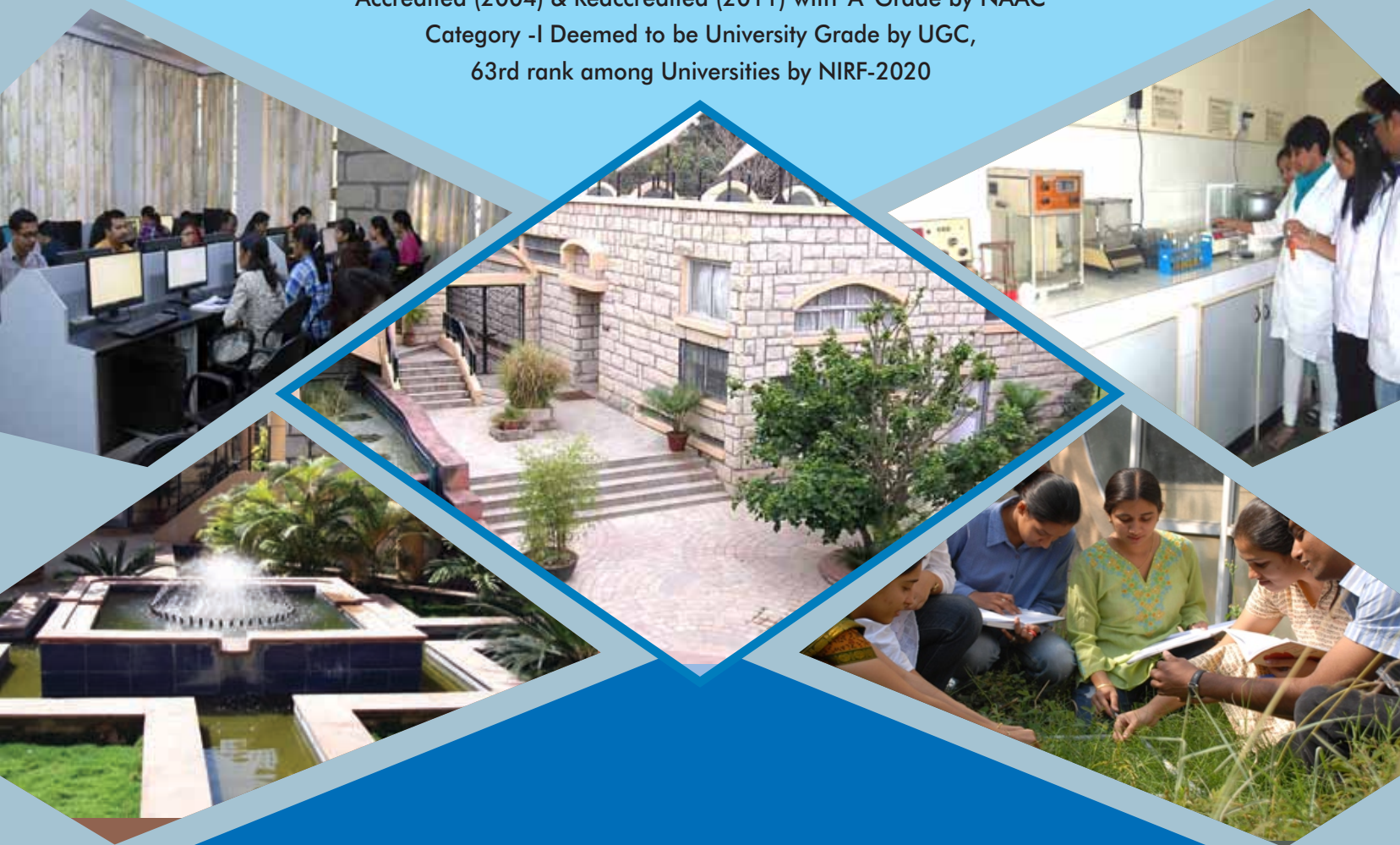
Accredited with 'A+' Grade (2017) by NAAC

'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,

63rd rank among Universities by NIRF-2020



**INFORMATION BROCHURE FOR ADMISSION TO THE
MASTERS IN ENVIRONMENT SCIENCE AND TECHNOLOGY
MASTERS IN GEOINFORMATICS**

At

**Bharati Vidyapeeth (Deemed to be University), Pune
INSTITUTE OF ENVIRONMENT EDUCATION AND RESEARCH, PUNE-43
(<http://ieer.bharatividyaapeeth.edu/>)**





Hon'ble Dr. Patangrao Kadam

Founder : Bharati Vidyapeeth (1964)

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



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: Vision of the University :
To be a world class University for Social Transformation through Dynamic Education



Hon'ble Dr. Shivajirao Kadam
Chancellor,
Bharati Vidyapeeth
(Deemed to be University), Pune



Hon'ble Dr. Vishwajeet Kadam
Secretary,
Bharati Vidyapeeth
Pro Vice Chancellor,
Bharati Vidyapeeth
(Deemed to be University), Pune



Hon'ble Dr. Manikrao Salunkhe
Vice Chancellor,
Bharati Vidyapeeth
(Deemed to be University), Pune



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the
Bharati Vidyapeeth University
(Deemed to be University u/s 3 of the UGC Act, 1956)
Sadashiv Peth, Pune, Maharashtra as
Accredited
with CGPA of 3.53 on seven point scale
at A⁺ grade
valid up to March 27, 2024*

Date : March 28, 2017



DP Singh
Director

EC(SC)/23/A&A/36.3

National Institutional Ranking Framework- 2020
Ministry of Human Resource Development
Government of India



Maintaining its tradition in academic excellence, in the fifth consecutive year, Bharati Vidyapeeth (Deemed to be University), Pune and its constituent units have the reason to be proud for getting recognized and ranked among leading Universities and Institutes in India. Bharati Vidyapeeth is probably the only educational organization in the country to have 4 institutes having high NIRF ranking.

Poona College of Pharmacy, Pune
ranked 22nd at the national level
under Pharmacy category

Institute of Management and
Entrepreneurship Development (IMED),
Pune ranked 63rd at the national level
under Management category

Rajiv Gandhi Institute of IT and
Biotechnology, Pune, ranked 42nd at the
national level under College category

College of Engineering, Pune, ranked
99th at the national level under
Engineering category

University Achievements:

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 University Grants Commission

Recognized under Section '12 B' of UGC Act (1956) by University Grants Commission

Ranked 63rd among Top 100 Universities by NIRF 2020, MHRD Govt. of India

Other Achievements of the University:



NBA

• College of Engineering has been accredited with National Board of Accreditation for its 5 PG courses.



NABH

• Bharati Hospital and Research Centre of Medical College has undergone assessments for full NABH accreditation.



NABL

• Hospital Laboratories in Pathology, Microbiology and Biochemistry have been accredited with NABL.



NABH & FDA Approval

• NABH accreditation and FDA approval for Hospital Blood Bank, Safe-I accreditation of the NABH for Infectious diseases was also received.

BHARATI VIDYAPEETH

Bharati Vidyapeeth, the parent body of Bharati Vidyapeeth (Deemed to be University) was established on 10th May 1964, by distinguished educationist Hon'ble Dr. Patangraoji Kadam, with a mission of promoting 'Social Transformation Through Dynamic Education'. Since its establishment, it has maintained the highest standards and has proliferated innovative practices in the education sector.

In the year 2013-14, Bharati Vidyapeeth celebrated the glorious Golden Jubilee year of imparting education and inculcating moral values among the youth. During the last 5 decades, Bharati Vidyapeeth has made astonishing strides in the field of education. Today it is one of the largest educational organizations in the country that imparts education right from the pre primary to the doctoral level. The spectrum of Bharati Vidyapeeth institutions of higher education spans all professional disciplines which include the colleges of Medicine, Dentistry, Nursing, Audiology, Optometry, Ayurved, Homeopathy, Engineering, Architecture, Management, Law, Pharmacy, Hotel Management and Catering Technology, Environment Science, Geoinformatics, Wildlife Conservation, Physical Education, Health Management, Biotechnology etc.



Research too is given a high priority in the university. To promote research activities and to create a research culture on its campuses, Bharati Vidyapeeth has established three self-financed specialized research institutes in the areas of Health Related Sciences, Pharmaceutical Science, and Social Sciences.

The colleges are affiliated to various universities including Bharati Vidyapeeth (Deemed to be University), University of Pune, University of Mumbai, Shivaji University Kolhapur and Indraprastha University, Delhi.

With an objective of making educational opportunities available to the deprived sections of the country, Bharati Vidyapeeth has established a large number of educational institutions in the rural areas. Bharati Vidyapeeth with a very moderate beginning in a short span of time has grown leaps and bounds having its major campuses in New Delhi, Navi Mumbai, Pune, Solapur, Kolhapur, Sangli, Karad, Satara and Panchgani.

Bharati Vidyapeeth (Deemed to be University) Pune

Bharati Vidyapeeth (Deemed to be University) came into existence in April, 1996, when the Ministry of Human Resource Development, Government of India, on the recommendations of UGC conferred the status of University on a cluster of 12 institutions of Bharati Vidyapeeth. In appreciation of the academic excellence achieved by the institutions through a committee of experts. Subsequent to that, the Government of India, vide its various notifications brought several other institutions of Bharati Vidyapeeth under the ambit of this University. As on today the University is having 29 constituent units conducting programmes in 12 different disciplines. Bharati Vidyapeeth (Deemed to be University) is one of the largest multi- faculty, multi-campus Deemed to be University in the country which has created a very laudable track record of academic achievements since its inception.

It offers a variety of programmes in 12 faculties namely:

1. Faculty of Medical Sciences
2. Faculty of Dentistry
3. Faculty of Ayurved
4. Faculty of Homoeopathy
5. Faculty of Nursing
6. Faculty of Engineering and Technology
7. Faculty of Pharmaceutical Sciences
8. Faculty of Management Studies
9. Faculty of Arts, Social Sciences and Commerce
10. Faculty of Sciences
11. Faculty of Law
12. Faculty of Interdisciplinary Studies

The twenty nine constituent institutions of the University are located in eight different campuses; two in Pune, and one each in New Delhi, Navi Mumbai, Kolhapur, Solapur, Sangli and Karad.

The UGC has also recognized this University u/s12(B) of UGC Act 1956. This University is a Member of Association of Indian Universities and has been a Member of Association of Commonwealth Universities.





The University is academically and intellectually very productive. Its faculty members have a very remarkable track record of research publications and patents. It has digitalized the libraries in its constituent units and has been making an extensive use of modern Information and Communication Technology in teaching, learning, research and also administration. The University attracts students from all over India and around 35 countries due to its academic reputation.

Distinctive Features of Bharati Vidyapeeth (Deemed to be University)

- Accredited with 'A+' Grade by NAAC in 2017 for seven years.
- 'A' Grade University status by MHRD, Govt. of India
- Category-I (Deemed to be University Grade) by University Grants Commission
- Recognised under Section '12 B' of UGC Act (1956) by University Grants Commission
- Ranked 63rd among top 100 Universities by NIRF 2020, MHRD, Govt. of India
- The University offers 250+ programmes under 12 faculties.
- High quality of all-around education has attracted many students from all over India and 35 countries to pursue their studies. Presently there are 23000+ students enrolled into various programmes offered by the University.
- Behind the reputation of the University are the solid credentials of accomplished and experienced 1700 + faculty members, imparting quality education.
- Excellent placements record for its students across faculties and has known industry endorsements.
- Strong alumni network spread across the globe.
- Programmes are designed to enhance employability of students with focus on collaborative and experiential learning pedagogy.
- Entrepreneurship cell has been established to develop entrepreneurial skill and incubate innovative business ideas.
- University constantly encourages and facilitates its faculties to be actively engaged in academic research and publications besides their teaching assignments by establishing collaborative and interdisciplinary research links with industries and institutions around the world.
- All professional programmes are approved by respective Statutory Councils.
- As part of dissemination of knowledge, University organizes International and National Conferences, Seminars, Workshops etc., in recent and upcoming themes.
- Knowledge Resource Centre (Libraries) has an excellent collection of books, print journals, e-journals, and magazines etc. which are regularly being expanded by adding latest publications.
- Augmented infrastructural facilities including smart classrooms, tools for blended learning, laboratories equipped with latest technologies, free accessibility to Wi-Fi, lush green campuses, adequate recreational facilities, on campus residential accommodation etc.
- University is committed to engage for the welfare of the society through various schemes of outreach Programmes and Field work.

Digital Initiatives at BVDU:

University's Information and Communication Technology Centre always acts proactively to meet the dynamic requirements of the University and its constituent units. Its contribution encompasses all spheres of the University – academics, research, administration and governance.

Some of these ICT Services are listed as bellow:



Skill Development Initiatives at BVDU:



Bharati Vidyapeeth College of Nursing, Navi Mumbai



BVDU College of Architecture, Pune



BVDU Dental College & Hospital, Sangli



BVDU Institute of Hotel Management and Catering Technology, Pune



BVDU Medical College & Hospital, Pune



BVDU Poona College of Pharmacy, Pune



BVDU Medical College & Hospital, Sangli



Bharati Vidyapeeth College of Nursing, Sangli



BVDU Institute of Management and Entrepreneurship Development, Pune



BVDU Rajiv Gandhi Institute of Information Technology & Biotechnology, Pune



Constituent Units of Bharati Vidyapeeth (Deemed to be University)

Health Sciences:

1. Faculty of Medical Sciences

- Medical College, Pune
School of Audiology and Speech Language Pathology, Pune
School of Optometry, Pune
- Medical College and Hospital, Sangli
School of Optometry, Sangli

2. Faculty of Dentistry

- Dental College and Hospital, Pune
- Dental College and Hospital, Sangli
- Dental College and Hospital, Navi Mumbai

3. Faculty of Ayurved

- College of Ayurved, Pune

4. Faculty of Homoeopathy

- Homoeopathic Medical College, Pune

5. Faculty of Nursing

- College of Nursing, Pune
- College of Nursing, Sangli
- College of Nursing, Navi Mumbai

Engineering & Technology

6. Faculty of Engineering and Technology

- College of Engineering, Pune
- College of Architecture, Pune

7. Faculty of Pharmaceutical Sciences

- Poona College of Pharmacy, Pune

Management

8. Faculty of Management Studies

- Institute of Management and Entrepreneurship Development, Pune
- Institute of Management and Research (BVIMR), Delhi

- Institute of Management, Kolhapur
- Institute of Management and Rural Development Administration, Sangli
- Yashwantrao Mohite Institute of Management, Karad
- Abhijit Kadam Institute of Management and Social Sciences, Solapur
- Institute of Hotel Management and Catering Technology, Pune

Social Sciences and Humanities

9. Faculty of Arts, Social Sciences and Commerce

- Yashwantrao Mohite College of Arts, Science and Commerce, Pune
School of Performing Arts, Pune
- Social Sciences Centre, Pune
- College of Physical Education, Pune

10. Faculty of Sciences

- Rajiv Gandhi Institute of Information Technology and Biotechnology, Pune
- Institute of Environment Education and Research, Pune

11. Faculty of Law

- New Law College, Pune
Bharati Vidyapeeth Department of Law, New Delhi

Faculty of Interdisciplinary Studies

12. Research Institutes:

- Interactive Research School for Health Affairs, Pune
- Yashwantrao Chavan Institute of Social Sciences Studies & Research, Pune
- Research and Development Centre in Pharmaceutical Sciences and Applied Chemistry



Prof. Dr. Karl Schneider, University of Cologne, Germany during a field session on using apps for environmental monitoring with students from BVIEER at Cologne, Germany, under the Bharati Vidyapeeth University - University of Cologne student exchange program, 2019



Prof. Dr. Kirk Junker, University of Cologne, Germany and Prof. Dr. Shamita Kumar, IEER Bharati Vidyapeeth University, Pune at the United Nations, Bonn with students from both the Universities during the Fall School on Urban Green Management, 2019



Dr. Jurgen Morhad, German Consul general, Mumbai, Ms. Sanju Kumari, German Centre for Research and innovation New Delhi, Prof. dr. Christoph Woiwode, IIT Chennai at the Third Indo German Dialogue on Urban Green Practices at BVIEER.



Dr. M. Negi, Addl. Director General of Forests (Wildlife), MoEF & CC, Government of India, Shri Nitin Kakodkar, PCCF (Wildlife) Maharashtra, Shri Vivek Menon, CEO Wildlife Trust of India, Prof. M. Salunkhe, VC, Bharati Vidyapeeth University, Pune at the First Ashok Kumar Memorial Wildlife Law and Enforcement Conference, Pune.



India's first geospatial capacity building portal (www.dst-iget.in) developed by the Department of Geoinformatics at BVIEER for the Department of Science and Technology, Government of India



The Bharati Vidyapeeth Institute of Environment Education and Research (BVIEER) was established on 25th January 1994.

The University and the Institute as its constituent unit have been accredited with an 'A' grade in 2004,2011 and reaccredited with 'A+' grade in 2017 by NAAC established by UGC. As per section 3 of the UGC Act 1956, Deemed Universities have the same status as the State and Central statutory universities.



Salient Features

- ♦ The Institute has teaching and research MoUs with the University of Cologne, Germany, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Germany and Maastricht University, Netherlands.
- ♦ Research and consultancy projects worth Rs. 605.25 lakhs have been completed over the last five years through funding from the Department of Science and Technology, Government of India, Department of Biotechnology, Government of India, Ministry of Environment and Forests, Government of India, Tata Power Company and Naoroji Godrej Center for Plant Research.
- ♦ International internships of six months are offered to selected students.
- ♦ Semester exchange program with University of Cologne and Maastricht University, Netherlands has been initiated since January 2011.

ACTIVITIES

The programs of the Institute include formal environment education, non-formal educational activities and research. These independent spheres of activities have been integrated to augment the effectiveness of all the three components. The students are given an opportunity to interact with scientists, industrialists, professionals, media personnel and environmental activists. Emphasis is given to field work and co-curricular activities. The Institute has conducted three international and 37 national conferences and workshops over the last five years. These provide students with an opportunity to meet top expert and benefit from their expertise.



Students involved in field work



International collaborations continue through the COVID-19 pandemic: Summer school in hydrology being conducted through online mode by Prof. Karl Schneider University of Cologne, Germany, November 2020

FORMAL ENVIRONMENT EDUCATION

Ph.D. (Environment Science and Technology) and Ph.D (Geoinformatics)

The Ph.D. program at the Institute focuses on multidisciplinary studies to include projects on coridoring, landscape management, geospatial modeling, wildlife management, environmental engineering, environmental health issues, urban environmental planning, environment education, health GIS, urban GIS, geospatial modelling, etc.

M.Sc. (Environment Science & Technology)

The Institute conducts a two years Masters program in Environment Science and Technology. This multidisciplinary course covers a wide array of subjects which include ecosystem studies, environmental microbiology, environmental chemistry, wildlife rescue and rehabilitation, biodiversity assessment, environmental health, climate change science, corporate social responsibility, remote sensing, GIS, environment law, technologies for pollution control, environmental engineering, methodologies for environment impact assessment, natural resource management and environment education and communication. The course work uses a variety of techniques that includes lectures, assignments, seminars, workshops and field trips to build the students knowledge base and equip them with skills for environment management.

M.Sc. (Geoinformatics)

The Institute conducts a two years Masters program in Geoinformatics. This course covers a wide array of subjects which includes remote sensing, geographic information systems, photogrammetry, digital image processing, geodatabase management, GNSS, Web GIS, spatial analysis and modelling, programming for geospatial technologies, project management, ecology, urban planning, spatial statistics, spatial analysis and trends in geoinformatics. Assignments and project work are compulsory. The Institute has an international internship program for selected students. The course contents have been designed keeping in mind the emerging trends in the field of geoinformatics.



M.Sc. (Wildlife Conservation Action)

The Institute conducts a two years Masters program in Wildlife Conservation Action. The course has a multidisciplinary approach that integrates the science of wildlife conservation with social issues in managing and mitigating wildlife conflict and natural resource management. The course provides in depth knowledge of ecosystem and biodiversity conservation and management along with wildlife rescue and rehabilitation as well as legal instruments for wildlife conservation. It includes the cognitive aspects and technological skills necessary to further a career in the wildlife field. It trains the candidate in skills required for assessment and monitoring of biodiversity as well as wildlife management through a combination of course work, intensive field work and internships. The program also builds skills in conducting research and communicating for wildlife conservation. The course provides multiple exit points. The course is administered by the Faculty of Interdisciplinary Studies.

This course is implemented in close collaboration with the Wildlife Trust of India, premier organization involved in action based wildlife research and advocacy. Admissions to the course are through submission and statement a purpose and an interview only.



Field work with Prof. Dr. Carten Butch at the Summer School on “Urban fringe development in Cologne”, Germany with students from University of Cologne, Germany and BVIEER, India

THE TEACHING LEARNING PROGRAM

The teaching program at the Institute uses a variety of approaches that focus not only on enhancing a student's knowledge base but foster the development of a pro-conservation attitude, develop skills of critical thinking, problem solving through a combination of teaching learning techniques that includes group discussions, collaborative learning, lab analysis, field work and research seminars that enables the student to compete in the global job market. Field visit to natural sites, National Parks, community projects, industrial set ups followed by analysis are a common feature of the course. The Institute's interdisciplinary and interactive role with policy makers, industry and NGO's, its environmental communication and research programs have created opportunities to involve a large number of experts in the teaching learning program. The guest lectures organized not only enable students to keep abreast of the recent trends in environment/geospatial technologies but also link them up with potential employers. The unique ability of the Institute to integrate practical hands on experience into the curriculum through a diverse range of environmental projects enabling students to interact with scientists, industrialists, policy makers, grassroot NGOs and teachers which helps in the development of a realistic approach to problem solving.



Well equipped geospatial laboratory

Highlights of the teaching program

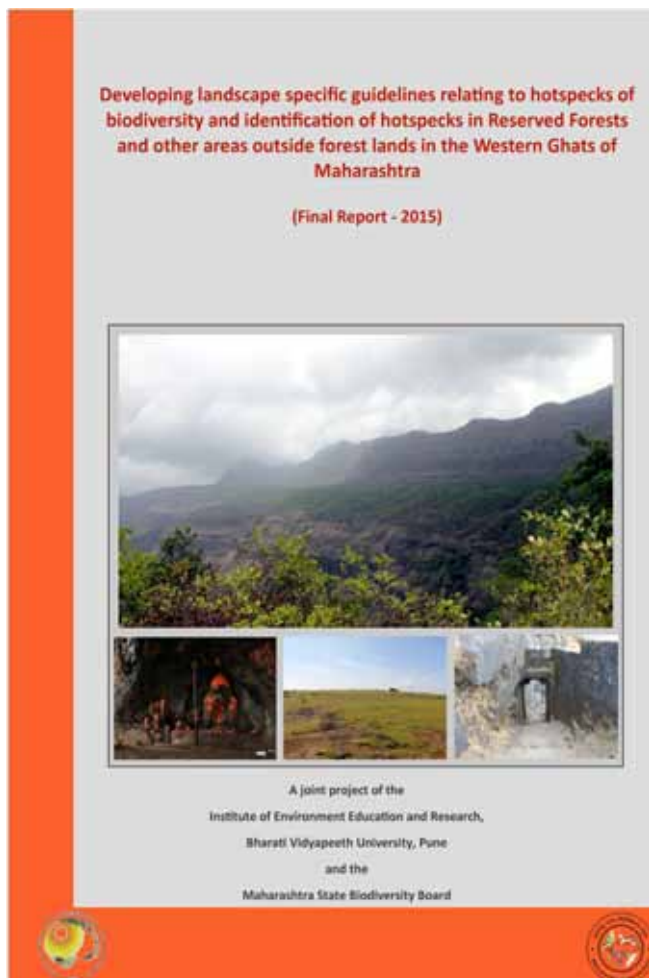
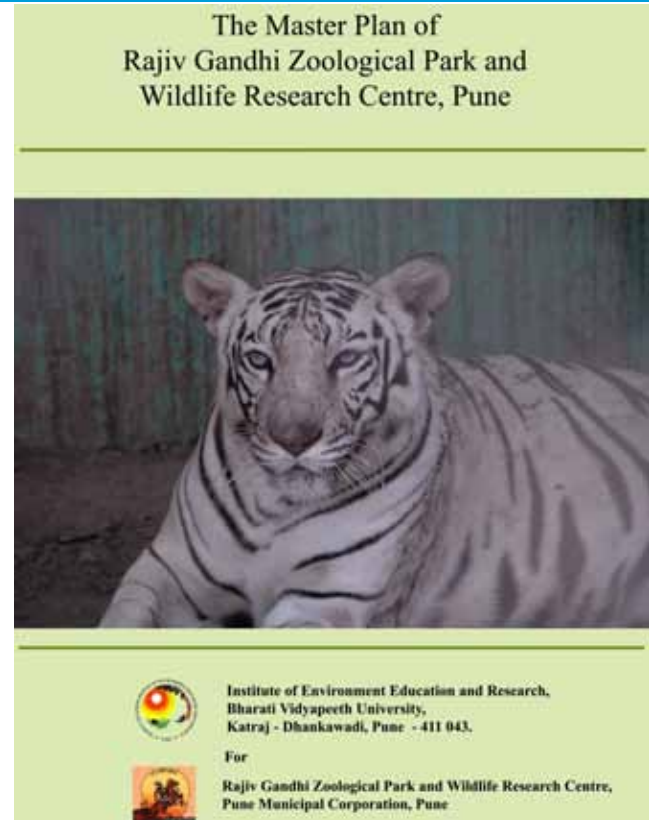
- Curricula includes newly emerging areas.
- Collaborative learning in the classroom
- Extensive lab and field work
- Guest lectures
- Seminars
- Hands on with various software.
- One major project for enhancing research skills
- One entire semester full time internship program
- International Internships
- Language lab for enhancing communication skills
- Specialized short certificates offered



Training in field techniques during the joint field work with students from University of Cologne, Germany in Pune

ENVIRONMENT RESEARCH

Research is an integral and a very major component of the programs of the Institute. The research projects at the Institute are funded by various organizations and are done as collaborative ventures. The Institute also has a strong mandate to implement the findings of its research projects through liasoning with the various line agencies. The research is focused on need based issues with a view to bring about proconservation action. A major focus is on field ecology, biodiversity conservation, urban environmental planning, geoinformatics and environment education. Several of its research projects have resulted in policy changes.

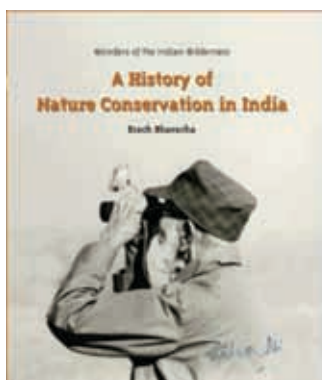
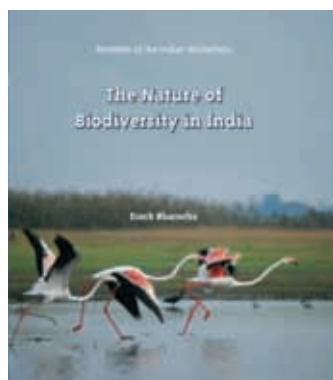
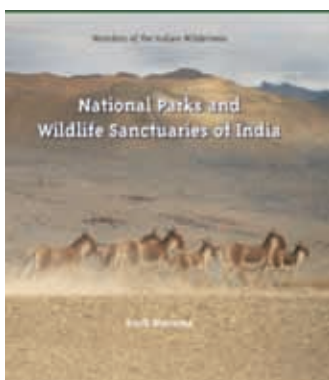
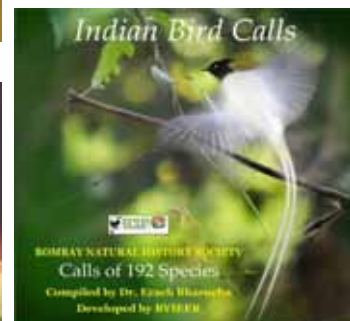
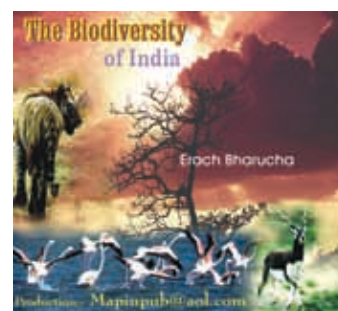
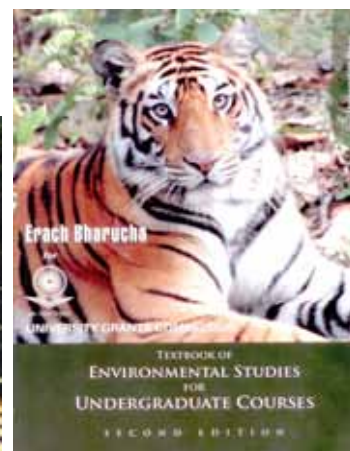


NON-FORMAL ENVIRONMENT EDUCATION

The Institute has a major environment education and communication initiative. The environment education program of the BVIEER focuses on capacity building in school teachers through training and developing locale specific environment education material and regular monitoring of the program. The program is being implemented in more than 100 schools in various parts of Maharashtra and Goa.

The Institute has developed a large amount of locale specific need based environment education material in English, Hindi and Marathi. This includes handbooks, activity books, posters and CD-Roms. This material is being used by the state governments of Maharashtra, Gujarat and Jharkhand

The outreach program is closely linked with curricular aspects at the Martern level which is a special focus of the BVIEER. It gives the students first hand experiences in environment education and awareness needs in the rural and urban sectors that furthers a commitment to environment management which is so essential for an environmental professional.



A few Publications of the Institute

ENVIRONMENT MUSEUM AND ACTIVITY CENTRE

The Institute has developed a unique Environment Museum and Activity Centre. Several interactive exhibits in the form of charts, dioramas, computer games, etc. are used for enhancing environmental consciousness.

It has a collection of CD-Roms and audio-visuals which include interesting interactive components. BVIEER has a Nature Trail with a variety of labelled indigenous trees and shrubs. An interactive booklet that interprets the trail is used for training environment educators and creating awareness for the need of conservation among young people.

COLLABORATIONS

The Institute collaborates with the University of Cologne, Germany and Maastricht University, Netherlands for teaching, research and student exchange. Selected students are also placed for a six month internship with these Universities.

The Institute also has collaborations with several other institutions of excellence such as the Salim Ali Centre for Ornithology and Natural History (SACON), Coimbatore, Wildlife Trust of India, New Delhi, Wildlife Institute of India, as well as industries for its teaching and internship programs in Geoinformatics, Wildlife Conservation Action and Environment Science.



Interpretation centre developed for the Lucknow Zoological Garden, Uttar Pradesh



Dr Regine Schonenberg from Free University of Berlin, Germany at a collaborative workshop on "Methods for transdisciplinary research" in July 2019 for students at BVIEER



BVIEER students in Cologne during the summer school "Understanding role of citizen science in water management in Cologne, Germany"

INFRASTRUCTURE

The 16,000 sq.ft. building of the Institute is specially designed as a model of environment management. The building includes an administrative section, a formal education facility with well ventilated classrooms, well equipped laboratories and library and an innovative Environment Museum and Activity Center and a specially designed naturally ventilated audio-visual hall of 200 capacity.

FACULTY

The Institute has a core staff of highly trained young dynamic personnel who are well known international experts with more than twenty years of teaching and research experience. Visiting faculty drawn from other institutions both within and outside the campus as well as from industries and Government and Non-Government organizations to strengthen the teaching learning process.

LIBRARY

The Institute has a well ventilated and up-dated library with over 75000 books, current and back issues of national and international journals of repute, including abstracts. The library is updated every year and new journals and abstracts are added. Every student at the BVIEER has independent access to NLIST which enables them to access more than 10,000 journal and books online.



Well equipped library



A 'green' building

GEOSPATIAL LABORATORY

The Institute has a well-furnished computer lab where all the computers are networked through a Local Area Network (LAN). A variety of GIS and digital image processing software such as ArcGIS, Erdas Image, Idrisi Selva, AutoCad, Oracle, Java, .NET etc are made available to the students. Internet facility has been provided to the students. They can also access e-journals and e-books and other information required for their dissertation and seminar preparation.



ANALYTICAL LABORATORY

BVIEER has a highly equipped laboratory with the latest equipments/facilities for environmental analysis. The quantitative and qualitative estimation of the pollutants or contaminants is the major activity in all environmental projects. The chemistry laboratory of the Institute is an effort to cater these needs. It has two sections one is for titrimetric and general analysis and the other is an instrumentation room. Research work for M.Sc. dissertation is also carried out here, along with regular practicals. We also have a well-equipped biology, geography, microbiology laboratory for analysis required for environmental projects.



HOSTEL FACILITIES

Limited hostel accommodations are available. Students seeking admission to the hostel are required to apply for admission to the hostel in a prescribed form. Admission to the hostel is given on first come first serve basis.

OTHER CO-CURRICULAR ACTIVITIES

Students are encouraged to participate in seminars, workshops organized by the Institute and other organisations. Apart from academic activities, students are encouraged to participate in sports and cultural events organized by the Institute and other organizations in a bid to enhance their overall development.



PLACEMENT

The placement track record of our Institute is very good. Due to the large number of collaborations and projects of the Institute, it is very well known in environment circles. Thus students of this Institute are placed with industries, colleges, Government and Non-Government agencies such as Ministry of Environment and Forests, TERI, WWF, Kumar Builders, Wildlife Institute of India, Sandoz Pvt. Ltd, Green Peace International, ATREE, AMCO Environmental Solutions, Dubai, Bombay Natural History Society, Serum Institute, RSI Softtech, TomTom, Genesys International, Regional Remote Sensing Centres. Our postgraduate students have qualified for doctoral courses at Griffith University, Australia, ITC, Netherland, University of East Anglia, UK, Oxford University, UK, etc.



NATURE OF THE COURSE

M.Sc. Environment Science and Technology

The course has a multidisciplinary approach that integrates the science of environmental studies with technical and social issues and includes courses on ecosystem studies, biodiversity conservation, natural resource management, geoinformatics, water and waste water engineering, green technology, environmental lab techniques, sustainable development, urban sustainability and environment and health. The course builds on a candidates knowledge of Chemistry, Biology, Statistics, Computers, Engineering, Sociology and Economics to develop a deeper understanding of applications in the environmental sector. It includes the cognitive aspects and technological skills necessary to further sustainable form of development and natural resource-use management. It trains the candidate in advanced laboratory skills required for pollution monitoring and abatement, to undertake Environmental Impact Assessment (EIA), ecodevelopment, ecorestoration, implement green technology, assess biodiversity, etc. The program addresses environment management from the technical as well as the policy aspect to counter the effects of degradation of the ecosystem

M.Sc. Geoinformatics

Geoinformatics is the synergy of multiple disciplines, namely GIS, remote sensing, photogrammetry, GNSS, information technology and geodesy. It is fundamental to all the disciplines which use data identified by their locations. Geomatics deals with spatial and non-spatial data, their methods of acquisition, management, analysis, display and dissemination. Applications of geomatics are mainly oriented to real world management problems pertaining to natural and man-made environments. The M.Sc. in Geoinformatics aims to provide conceptual knowledge on GIS, remote sensing, photogrammetry, digital image processing, GPS and related fields of information technology, alongwith hands-on training with various GIS, remote sensing, digital image processing software. A six months project work is also incorporated in the course. The Institute offers international internships in GIS for selected students. The course contents have been designed keeping view the emerging trends in the field of Geoinformatics and the increasing needs of skilled manpower.

SCOPE OF THE COURSE

M.Sc. Environment Science and Technology

Contrary to the popular belief that 'green jobs' exist in specific sectors, green jobs today are found in all sectors as a large number of industries and organizations have today committed or make commitments to sustainability. The UNEP Report on green jobs shows that a global transition to a low-carbon and sustainable economy has already created a large numbers of green jobs across many sectors of the economy, and has indeed become an engine of development. This has led to changing patterns of investment flows. Employment opportunities exist in diverse fields such as in Government agencies, industries, in manufacturing, energy, food, recycling, agriculture, business, policy, construction, forestry and conservation sectors all of which offer immense opportunities to environmental scientists/professionals. The job profiles in green careers are as diverse as the problems they address. A degree in Environment Science and Technology definitely sets the pace in building a green career. One can be a researcher, a designer, a planner, an operator of pollution control facilities, a professor, a government regulatory agency official, a manager of programs, or be involved in professional society work. Potential employers can be private consulting engineering firms, universities, private research firms, testing laboratories, government agencies at different levels, or all types of major corporations and private businesses.

M.Sc. Geoinformatics

A career in geoinformatics is one of the most sought after today. Geoinformatics can be applied in every imaginable discipline and highly paid opportunities exist in several sectors. Post graduate holders in Geoinformatics can apply for the post of Jr. Scientist, Scientist, Project Coordinator, Project Scientist, Scientific /Technical Assistant, GIS Programmer, Research Scholar, etc. Besides these the rapidly growing GIS industry with ESRI, Rolta, Intergraph, Wipro, TCS, Infosys, TomTom, Genesys and others recruit regularly where post graduates can start work as Project Manager, Sr. System Executive, System Analyst, GIS Engineer, Image Analyst, GIS Programmer etc. Jobs also exist in allied institutes working in the field of environment, biodiversity conservation, forestry, landscape studies, water management, health, integrated emergency management, disaster management, transportation, urban planning, business, space research, hydrology, forestry, defence, etc. where geoinformatics is an indispensable tool. There is also a huge demand for geo professionals from countries like Malaysia, Australia, Canada, France, Germany, Netherlands, China, etc.

RULES FOR ADMISSION

INTAKE CAPACITY:

| Course | M.Sc. Environment Science and Technology(MEVST) | M.Sc. Geoinformatics(MGI) |
|-------------|---|---------------------------|
| Total Seats | 30 | 25 |

ELIGIBILITY

Eligibility requirements for Admission to First year M.Sc. Environment Science and Technology is through (MEVST-2021) or M.Sc. Geoinformatics is through (MGI-2021) subsequent admission are as follows:

If candidate opts for MEVST, then the candidate should have passed:

- a. The candidate should have passed the Bachelors degree in any Science subject such as Botany, Zoology, Chemistry, Physics, Statistics, Geography, Geology, Life Sciences, Environment Sciences, Microbiology, Biotechnology, Fisheries, Marine Biology, Horticulture, Agriculture, Computer Science, Data Science, Veterinary Science, Health Sciences or
- b. any branch of Engineering
- c. any relevant Social Science subjects and Management Studies
- d. The candidate should have secured at least 50% or 45 % aggregate marks for open and SC/ST/OBC category respectively at the graduate level.
- e. The candidate must have appeared for the All India online computer based Entrance Test i.e. MEVST 2021 conducted by this University.

If candidate opts for MGI, then the candidate should have passed:

- a. The candidate should have obtained the Bachelors degree in any Science subject such as Botany, Zoology, Chemistry, Physics, Statistics, Geography, Geology, Life Sciences, Environment Sciences, Microbiology, Biotechnology, Fisheries, Marine Biology, Horticulture, Agriculture, Computer Science, Data Science, Veterinary Science, Health Sciences or
- b. any branch of Engineering
- c. any relevant Social Science subjects and Management Studies
- d. The candidate should have secured at least 50% in the aggregate at undergraduate level and 45% for SC / ST / OBC candidates.
- e. The candidate must have appeared for the All India online computer based Entrance Test i.e. MEVST/MGI-2021 conducted by this University.

For Admission to MEVST/MGI -2021

- a) For a proof of date of Birth: SSC Certificate or School/College Leaving Certificate
- b) Certificate of Domicile/Nationality Certificate.
- c) Statement of marks of B.Sc./ BA / BE examination. (All three years)
- d) Statement of marks of 12th std examination.
- e) Transfer Certificate from the Institution in which you had studied last.
- f) Migration Certificate.
- g) Caste certificate and Caste Validity Certificate (in case of ST / SC candidate only.)
- h) Character certificate from the Principal of the school/college last attended.

- l) Certificate of Medical Fitness.
- j) Six recent passport-size photographs.
- k) The amount of Tuition fees, other fees and Hostel fees in case you need an admission to Hostel.
- l) Attested copies of first & last page of ration card / latest telephone bill for proof and permanent address

FEE STRUCTURE for 2021-2022 only :

***Note :** The fee structure for the academic year 2021-22 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 Director, Bharati Vidyapeeth Deemed University, Institute of Environment Education and Research, Pune"** payable at Pune.

University / Institute will accept fees online only through bharativedyapeethfees.com portal.

Field work charges of Rs. 25,000/- (approximately) have to be paid in addition to the fees for the first year only. It has to be paid through Bank Draft drawn on any nationalized bank in favour of the **"The Director, Bharati Vidyapeeth Deemed University, Institute of Environment Education and Research, Pune"** payable at Pune on the day of counselling itself.

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 in counselling letter. The payment for the hostels should be made by separate Demand Draft.

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 |
| 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 from the refundable amount.
 - Any student who withdraws from 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 units 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 from 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.**

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 Institute forthwith without any notice by the Director of the Institute.

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 Institute by the Director 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 Institute 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."

●MISCELLANEOUS

- The candidates are informed that the medium of instruction, for all programmes is English.
- At the time of seeking admissions, a candidate will be provisionally admitted to Programme at the college subject to the production of the Provisional Eligibility Certificate from the University.
- 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.
- The Attention of the candidates is particularly invited to the provisions of rules regarding the eligibility of candidates for admission to the **First Year M.Sc. Environment Science and Technology(MEVST) or M.Sc. Geoinformatics(MGI) Programme**. If at any stage it is found that a candidate is not eligible either for admission to **First Year M.Sc. Environment Science and Technology(MEVST) or M.Sc. Geoinformatics(MGI) Programme**, his/her candidature and admission even if granted provisionally will be cancelled forthwith.
- 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.

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

website 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)

AUTHORIZATION FOR REPRESENTATIVE

I,.....son/daughter of
.....being unable to attend the counseling session for

admission to the **MEVST/MGI-2021** course in Bharati Vidyapeeth (Deemed to be University). I hereby declare that the decision taken by the 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 for admission on my behalf.

Name of the candidate:

(IN CAPITAL LETTERS)

Seat No. (**MEVST/MGI-2021** EXAMINATION):

Place :

Date :

Reason for absence :

Signature of the Representative

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

Signature of the candidate

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





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

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

Phone No. : 020 24407131/132/133

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Website : www.bvuniversity.edu.in

E-Mail : cet@bharatividyaapeeth.edu