



## **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 OF ENTRANCE TEST

MEVST/MGI - 2022

For Admission to the

MASTERS IN ENVIRONMENT SCIENCE AND TECHNOLOGY

MASTERS IN GEOINEORMATICS

MASTERS IN GEOINFORMATICS At

Bharati Vidyapeeth (Deemed to be University), Pune INSTITUTE OF ENVIRONMENT EDUCATION AND RESEARCH, PUNE-43

(http://ieer.bharatividyapeeth.edu/)





Hon'ble Dr. Patangrao Kadam

Founder: Bharati Vidyapeeth (1964)

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



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Category -I Deemed to be University Grade by UGC,
63rd Rank among universities by NIRF-2020



## **Important Dates**

A)	Last date for submission of online application form	7th June 2022 upto 5.00 p.m. at : www.bvuniversity.edu.in
В)	Date of Online Computer based entrance test (MEVST/MGI-2022)	19th June 2022
C)	Declaration of result (MEVST/MGI-2022)	28th June 2022 after 2.00 pm. at : www.bvuniversity.edu.in
D)	Date of Online Counselling	4th July 2022 From 10.00 am onwards. Time slots and Zoom links will be conveyed to the students on 2nd July 2022 via email.
E) _	Last date for admission	15th July, 2022
F) _	Classes commence from	1st August, 2022
G)	Address of the College	Bharati Vidyapeeth(Deemed to be University) Institute of Environment Education & Research, Pune-Satara Road,Pune-411043 (Tel.No. 020-24375684,24362155,7447431314) http://ieer.bharatividyapeeth.edu

### : 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 Jeam is pleased to declare the
Bharati Vidyapeeth University
(Deemed to be University u/s 3 of the USC Act, 1956)
Sadashiv Peth, Pune, Maharashtra as

Accredited
with CSPA of 3.53 on seven point scale
at A<sup>+</sup> grade
valid up to March 27, 2024

Date: March 28, 2017









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

# National Institutional Ranking Framework- 2021 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 havebeen 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, multicampus 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 Common wealth 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, ejournals, 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:

भारती विद्यापीठ ग्रामीण विकास प्रतिष्ठान



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 Center for Health Management Studies and Research



**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**

#### 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

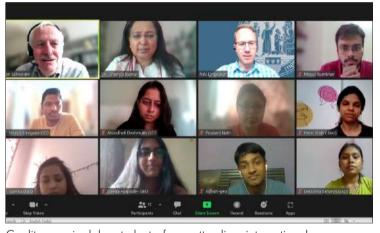
#### **Information Brochure 2022-23**



Shri Aditya Thackeraryji, Cabinet Minister of Tourism and Environment for the Government of Maharashtra, Shri Vishwajeet Kadamji, MoS -Co-Operation, Agriculture, Social Justice, Food, Civil Supplies & Consumer Protection, Minorities Development, Marathi Bhasha and Secretary Bharati Vidyapeeth and Shri Praful Patelji, MP at BVIEER on 30 October 2021.



25 students of BVIEER attended the 14th Winter Meeting on 4-5 December 2020 on Health, Environment and Education in Challenging Times jointly organised by the Duquesne University, USA, University of Cologne, Germany, Southern Illinois University, Carbonale, USA and the Bharati Vidyapeeth University, Pune providing unique insights and enormous learning into the ways in which COVID 19 has influenced learning about the environment.



Credits acquired by students from attending international courses are transferred. Prof. Karl Schneider and his team condcuted a three moth course on 'Ecohydrological Modeling with QSWAT+' from October to December 2021.



14 students were awarded the PR315: EMS ISO 14001: 2015 Lead Auditor Course certified by CQI and IRCA conducted by Bureau Veritas. This feature is unique to the BVIEER.



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

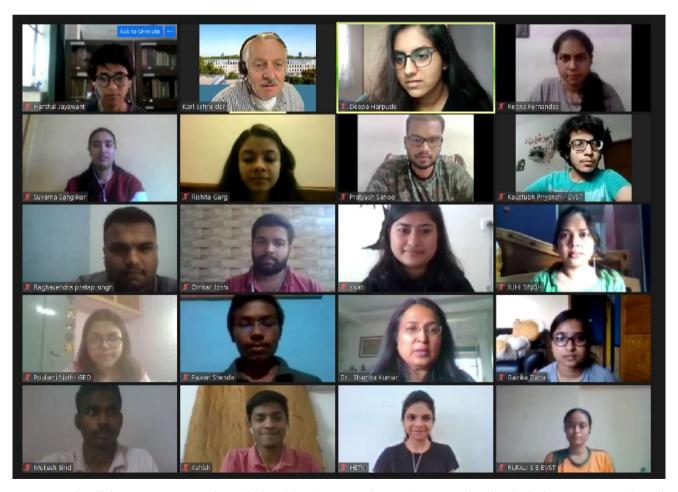
- The Institute has teaching and research MoUs with the University of Cologne, Germany, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Germany and Maastricht University, Netherlands.
- Research and consultancy projects worth Rs. 605.25 lakhs have been completed over the last five years 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 contine 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 corridoring, 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, photogammetry, 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 quest 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.



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



Well equipped geospatial laboratory

#### Highlights of the teaching program

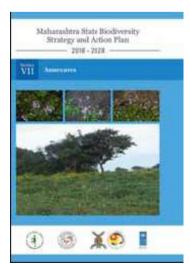
- Curricula includes newly emerging areas.
- Collaborative learning in the classroom
- Extensive lab and field work
- Guest lectures
- Seminars
- Hands on with various software.
- One major project for enhancing research skills
- One entire semester full time internship program
- International Internships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

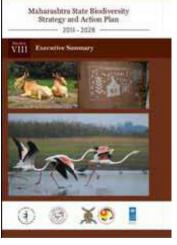
#### **ENVIRONMENT RESEARCH**

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.









The Master Plan of Rajiv Gandhi Zoological Park and Wildlife Research Centre, Pune





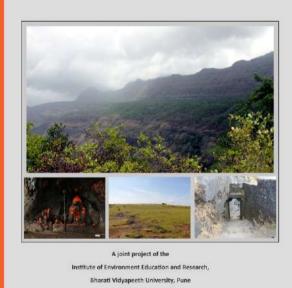
Institute of Environment Education and Research, Bharati Vidyapeeth University, Katraj - Dhankawadi, Pune - 411 043.



Rajiv Gandhi Zoological Park and Wildlife Research Centre,

Maharashtra (Final Report - 2015)

Developing landscape specific guidelines relating to hotspecks of biodiversity and identification of hotspecks in Reserved Forests and other areas outside forest lands in the Western Ghats of



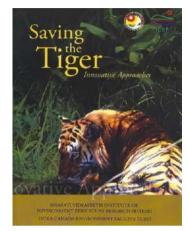
and the Maharashtra State Biodiversity Board

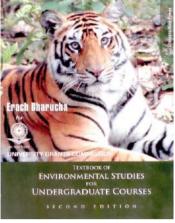
#### NON-FORMAL ENVIRONMENT EDUCATION

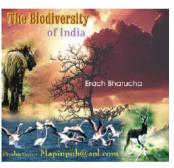
The Institute has a major environment education and communication initiative. The environment education program of the BVIEER focuses on capacity building in school teachers through training and developing locale specific environment education material and regular monitoring of the program. The program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

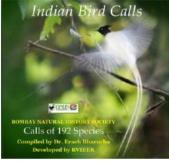
The Institute has developed a large amount of locale specific need based environment education material in English, Hindi and Marathi. This includes handbooks, activity books, posters and CD-Roms. This material is being used by the state governments of Maharashtra, Gujarat and Jharkhand

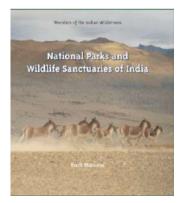
The outreach program is closely linked with curricular aspects at the Martern level which is a special focus of the BVIEER. It gives the students first hand experiences in environment education and awareness needs in the rural and urban sectors that furthers a commitment to environment management which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

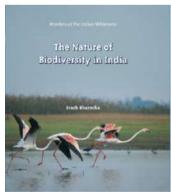


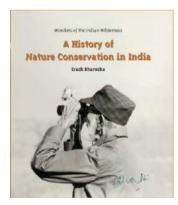


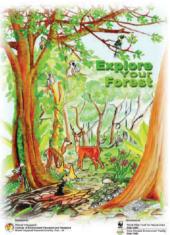












A few Publications of the Institute

## 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 have 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.















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#### **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 geodesty. 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.

#### PROCEDURE AND RULES FOR ADMISSION

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

- 1.1 MEVST/MGI -2022 is a ranking examination for admission to First Year M.Sc. Environment Science and Technology(MEVST) or M.Sc. Geoinformatics(MGI) post graduate programme for 2022-23 academic session. The Entrance Test can be given online from home or by appearing at any of the selected centres.
- 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 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 online computer based 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 online computer based entrance 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. These must also kept ready for the online home based test if the candidate has opted for this option.
  - 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.

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- 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 online computer based Common Entrance Test of Bharati Vidyapeeth (Deemed to be University), Pune 30 i.e. **MEVST/MGI 2022**, 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 First Year First Year M.Sc. Environment Science and Technology(MEVST) or M.Sc. Geoinformatics(MGI) post graduate degree programme of Bharati Vidyapeeth (Deemed to be University), Pune.

The seats will be filled on merit, based on their performance in online computer based entrance test or at home as selected by the candidate in the "MEVST/MGI -2022", conducted by Bharati Vidyapeeth (Deemed to be University) at the designated centers.

#### INTAKE CAPACITY:

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

Out of the sanctioned intake, 15% seats are reserved under Foreign / NRI /P.I.O. / OCI/ Institutional Quota Merit Category. Candidates seeking admissions to the seats under Foreign / NRI /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. 1,200/- (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 "MEVST/MGI -2022". The last date for submission of form to this category at the above mentioned address is 7th June 2022 before 5.00 p.m.

All the candidates seeking admissions will have to appear for online computer based entrance test "MEVST/MGI -2022" conducted by Bharati Vidyapeeth (Deemed to be University), Pune. All candidates will have to apply online & fill the prescribed application form.

#### 3. ELIGIBILITY

Eligibility requirements for Admission to First year M.Sc. Environment Science and Technology is through (MEVST-2022) or M.Sc. Geoinformatics is through (MGI-2022) subsequent admission are as follows:

#### 3.1. 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 2022 conducted by this University.
- 3.2. 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-2022 conducted by this University.

#### 4. BASIS OF SELECTION FOR ADMISSION

- 4.1 A Candidate desirous of seeking admission to First Year M.Sc. Environment Science and Technology(MEVST) or M.Sc. Geoinformatics(MGI) programme should fulfill the minimum eligibility condition as stated in point no. 3 above. The final admission will be offered based solely on the merit obtained at the all India online computer based entrance test "MEVST/MGI -2022" conducted by Bharati Vidyapeeth (Deemed to be University), Pune.
- 4.2 He / She must have appeared for the online computer based entrance test "MEVST/MGI -2022", 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 a particular Institute of the candidate's choice 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 obtain equal marks in the online computer based entrance test MEVST/MGI -2022, the inter-se merit of such candidates shall be determined on basis of marks obtained at the qualifying examination.

#### NATURE OF ONLINE COMPUTER BASED ENTRANCE TEST "MEVST/MGI -2022"

All candidates desirous of taking admission for First Year First Year M.Sc. Environment Science and Technology(MEVST) or M.Sc. Geoinformatics(MGI) course post graduate programme must appear for online computer based entrance test "MEVST/MGI -2022"

5.1 The "MEVST/MGI -2022" is a online computer based entrance test for admission to First Year First Year M.Sc. Environment Science and Technology(MEVST) or M.Sc. Geoinformatics(MGI) programme will consist of in all 100 marks. The duration of the test will be of 150 minutes.

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. The "MEVST/MGI -2022" will consists of one question paper, set in English and will contain (100) multiple choice objective-type questions, will be based on the syllabus prescribed for the test. Details of the syllabus for the CET are given in Annexure - I. The weightage given for subjects will be as follows:

	Questions	Marks
English Comprehension	40	40
Quantitative Aptitude and Numerical Ability	30	30
Reasoning and General Intelligence	30	30

#### MODE OF CONDUCT OF COMPUTER BASED ENTRANCE TEST

The entrance test will be conducted based on two modes:

a) Computer centre based online test (CBT) – where in candidate has appear for the test at a designated test centre in the city provided/ preferred or allotted.

OR

b) Remote Proctored Home based online test (RPHBT) - where in the candidate can appear for the online test from their home location provided they have the minimum hardware and software requirement.

The candidate has to choose any one of the above mode of test while filling the application form online

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

The online computer based entrance test "MEVST/MGI -2022" will be held on 19th June 2022 with last date of application being 7th June 2022.

The admit cards will be available from seven days prior to the date of entrance test. The candidate will have to, login with their credentials provided and download their respective admit card of particular entrance test for which he/she applied for, if appearing for the Computer centre based online entrance test (CBT).

- 6.1 If the candidate choose a test centre 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 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. This must also be kept handy if candidate opts for the home based test.
- 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.
- 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.

#### If appearing for Remote Proctored Home based Online test (RPHBT):

The candidate has to make prior arrangements of the minimum hardware and software required. The candidate has to appear for the test from their home location at on allotted time.

Prior to conduct of the actual test a mock-test will be held to familiarise the candidate regarding home based entrance test.

#### 7. TEST CENTRES

The "MEVST/MGI -2022" 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 candidates can also opt for giving the test from home.

\*Note: If the candidates count for a centre is less than 25, 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 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 tested 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 VIDYAPEETH & EXAM 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 online computer based entrance test centre venue or schedule of the online computer based entrance test.

#### 8. ENTRANCE TEST FEE

- 8.1 Entrance test fee: Rs 1,200/-
- 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

9.1 A candidate desirous of appearing for the online computer based entrance test "MEVST/MGI -2022" is required to complete the prescribed online application form and submit to the University along with online computer based 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:

- a) Create their login credential
- b) Have a scanned image of their recent passport size photograph (Refer to guidelines mentioned on the Website)
- c) Have a scanned image of their signature, ready before filling up the online application form.
- d) 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.
- 9.2 Candidates should submit the completed online application form on or before the last date mentioned in the website. (See "Important dates" in the brochure.)
  - Candidates are required to download and print a copy of the admit card after completion of the online application process. In case admit cards are not available online immediately after completion of online application, the candidates will be informed through email about the date of availability of admit card at the website. Candidate should ensure that all information entered during the online application process is correct.
- 9.3 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@bharatividyapeeth.edu Tel. No. 020 -24407131/132/133/163/7447431314

\*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 CENTRE BASED ENTRANCE TEST

#### **About Question Paper:**

- a) The duration of the CET exam in 150 minutes. The online test comprises of 100 marks. It will be of 100 multiple choice questions
- b) All questions are compulsory. for each question, for alternatives answers have been provided out of which only one answer is correct.
- c) Only one question will be displayed on the computer screen at a time.

- d) There is one mark for each question which will be displayed at the top right hand corner of each question.
- e) There is no negative marking.
- f) The question paper will appear in English language.
- g) 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.
- h) The exam screen will continuously display the remaining time at the top right hand corner of the question paper.
- i) 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.
- j) 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:**

- a) 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.
- b) If you do not wish to attempt the question then you should not click on any option for that question and may click `Next'.
- c) You can `Bookmark' questions to review before submitting.
- d) 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:**

- a) The answers are saved whenever the candidate navigates e.g. by clicking on Next/ Previous button
- b) The candidates can make changes in their choice of alternative only before the paper is **auto** submitted.
- c) After the expiry of 150 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:

- a) Creating a disturbance.
- b) Impersonate Attempting to take the examination for someone else.
- c) 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
- d) Attempting to tamper with the operation of the computer or meddling with system.
- e) Leaving the test center without the permission from the invigilator.
- f) 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.
- g) Attempting to remove examination question and /or examination responses (in any format) from the examination center.
- h) Falling to follow instructions of invigilator or test center staff.

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- i) Manhandling of invigilators or test center staff.
- j) Any suspicious act by the candidate which, as per the opinion of the Client observer, has created an impression of unfairness during the examination
- k) 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.
- 1) 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.
- m) 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.
- n) In the event of the Examination being disrupted, the candidate should immediately inform the invigilator. The invigilator will help the candidate tore-login to the Examination. This will start the Examination from where it had stopped.
- o) A mock test will be available on the bruniversity.edu.in website for practice for all candidates who have been issued Admit Cards for the exam.

#### INSTRUCTIONS REGARDING REMOTE PROCTORED HOME BASED ONLINE ENTRANCE TEST

RULES AND REGULATIONS of Remote Proctored Home based Online Test

Note: Rules and Regulations will remain same for Mock (Practice) and Live Actual Final Test. Attempting Mock (Practice) test is mandatory, you will not be able to give your Final Final Test if you have not completed your Mock (Practice) test.

The online test will be held only through desktop / laptop.

Instructions for the CANDIDATE appearing for ONLINE EXAMINATION using their infrastructure like desktop/laptop, internet, web camera, microphone, etc.

- Exam Start Time: As per schedule sent to you through email
- Candidate will not be allowed to appear after 30 minutes from his/her scheduled time. Under no circumstances, the test can be rescheduled.
- Candidates should log in 15 minutes before the scheduled start time of the exam.
- Accessing Your Exam Online: You must have received an email from the Institute with login credentials. Candidate
  to keep login details safe and DO NOT share with anyone else.

#### Before starting the exam, please ensure the following:

- You are using a computer system equipped with Windows Operating System (version 8 and above).
- You have installed Google Chrome Browser (80.0 and above version) with cookies & popups enabled.
- There is an active & stable Internet Connection with more than 2 mbps (with high-frequency Wifi)
- There is a minimum available data pack (3GB 4GB)
- Your device has a working integrated web camera and microphone. A webcam is a must to take the test.
- You have your ID card (issued by Local Government Authorities / Passport / Employer ID ) ready with you for the candidate verification process. We don't issue any separate ID cards.

#### Code of Conduct:

- Though the test is being taken at the candidates' place of stay, their conduct during the examination will be proctored using Artificial Intelligence as well as a Human proctor (invigilator) through continuous video and audio feed.
- There is a zero-tolerance policy for unethical behaviour.
- It is strongly advised that the candidate takes the examination with utmost solemnity and ensures that all the instructions are strictly followed.
- Exam authority reserves the right to disqualify any candidate who is found to be indulging in any kind of malpractice.

#### **Authentication Process:**

Please go through the following 2-step verification process

- Step 1: Show your face to the camera and click submit
- Step 2: Show your ID Card (issued by Local Government Authorities / Passport / Employer ID) and click submit.
- An authorizer will connect to you for verification. This may take 20-30 minutes. You may get this message while you are waiting: "We are currently processing your authorization submission" or "You are in the queue.

Please wait while your details are being authorized". Please note the exam time will not be counted during the verification process. Your actual test time will start once you start attempting the questions, so please don't panic.

• Upon authorization, you will be allowed to enter the examination interface.

#### **Examination environment rules:**

- 1. No other person is allowed to enter the room once your test starts.
- 2. The lighting in the room must be bright enough to be considered 'daylight' quality. Overhead lighting is preferred. If overhead lighting is not available, the source of light must not be behind you.
- 3. Please make sure your face is visible at all times with enough light on your face. Do not look away from the screen or hide/cover your mouth or face
- 4. You must sit at a clean desk or table.
- 5. The desk or walls around you must not have any writing on them.
- 6. The room must be as quiet as possible. No sounds (such as music or television) are permitted.
- 7. The following items must not be on your desk or used during your proctored exam:
  - Books Textbooks Notebooks Mobile Phones or any other electronic device
- 8. You may keep the following with you:
  - A water bottle Two sheets for rough work Pen or Pencil for rough work. Calculators
- 9. Please ensure that your laptop is fully charged for the examination and your webcam is working properly.

#### The computer/laptop you use to take the examination:

- 1. The computer you would be using to take the exam must not have more than one display or monitor. For example, if you usually use a laptop with a monitor connected, please disconnect your monitor and use only the laptop screen.
- 2. You must close all other programs or windows on your testing computer before you begin the exam.

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#### Minimum Computer/System Requirement:

- I) Desktop/Laptop:
- Internet Browser: Google Chrome version 80 & above, with cookies & popups enabled
- Video/Audio: Webcam min. 1.3 MP and a good quality Mic is required
- Operating system: Windows 8 or 10
- RAM & Processor: 4 GB+ RAM, i3 5th Generation 2.2 GHz or equivalent/higher
- Pop-up blocker: Disabled
- Uninterrupted power supply (UPS/ Inverter, etc.)

#### II) Internet Connection:

• Dedicated Internet and Internet Bandwidth of minimum 2 MBPS (4G/Wi-Fi) or above + upload speed

#### Some Do's and Don'ts:

- Candidates are requested to keep attention on the chat window with the proctor/invigilator. You may ask
  your queries related to the test with the proctor.
- Candidates must be in front of their screen at all times.
- Candidates' activities will be constantly observed, monitored, and recorded.
- The web Camera and Mic should not be covered with any article during the entire exam duration.
- Don't Position the camera too low, too high, or hooked onto a different monitor. Weird camera angles can be very distracting and unflattering during the examination. The candidate should make sure that the camera is at eye level and on the monitor which is used for the examination.
- Browsing other windows or applications is prohibited. After few warnings, the system will automatically end the exam leading to disqualification.
- IMP: The Candidate must ensure that he/she attempted every question and reviewed the accuracy of his/her answers before submitting the paper. Once submitted (even by mistake), re-examination will not be permitted.
- IMP: Candidates are not permitted to logout/switch off the computer for sake of going to the washroom and if they log out/switch-off, re-login will not be permitted.
- Please don't click on the taskbar or anywhere outside the test window or any notification which you get on your desktop / laptop during the test. You will get few warnings for moving away from the test window and despite that, if it repeats, your test will be terminated automatically.
- You must not use headphones, earbuds, or any other type of listening equipment.
- You must not communicate with any other person by any means once you start taking the examination.
- You must not use a phone for any reason.
- You must not leave the room during the exam for any reason, during the test.
- Do NOT press the F5 key or refresh the screen, while you are taking the exam, as it will terminate the exam.
- Candidate must dress decently.

#### What to do if your online exam is interrupted?

• In case the candidate gets disconnected from the exam for any reason, try logging out and in again If you continue to face technical issues, please email immediately at with your Registration Id and Subject ID

- 1. If you are not able to log in on the examination portal.
- 2. In case you have any issue with starting the examination.
- 3. If examination will get disconnected if your webcam gets closed due to any reason.
- In case of any system/internet issue or power failure at your place during the examination, then
  please email immediately at helpdesk@onlineregistrationform.org with your Registration Id and
  Subject ID
- If you get repeated warnings, your test will be terminated automatically. To resume the test, please
  mail at helpdesk@onlineregistrationform.org

**Privacy:** During the remote proctored Final Test, Images/Videos/Sounds of the candidates and their computer systems will be captured and stored for Final Test proctoring purposes. It is envisaged that candidates who register for the remote proctored Final Test agree for the same.

#### 11. DECLARATION OF RESULT

The merit list for admission to M.Sc. Environment Science and Technology(MEVST) or M.Sc. Geoinformatics(MGI) of all the candidates who have appeared for the online computer based entrance test MEVST/MGI -2022 (Based on 100 marks) will be declared on 25th June 2022.

A Separate merit list will be prepared for Regular category and Foreign/NRI/PIO/OCI/Institutional Quota Merit Category. The merit list shall be displayed at <a href="www.bvuniversity.edu.in">www.bvuniversity.edu.in</a> and shall be displayed at the designated centre in Pune.

#### 12. ONLINE COUNSELING AND ON THE SPOT ADMISSIONS

The online counseling sessions via Zoom on 28 June from 10.00 am onwards. Time slots and the link for the same will be communicated via email on 27 June 2022. The last date for payment of fees is 10 July 2022. http://ieer.bharatividyapeeth.edu

#### 12.1 The Online counselling schedule will be as follows:

Date	Course	Category	Merit No.	Time
4th July 2022	MEVST	Regular Merit	All	Time slots & Zoom link for the
	&MGI	Foreign/NRI/PIO/OCI Institutional Quota		same will be communicated via email on 2nd July 2022

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 online computer based entrance test MEVST/MGI - 2022 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

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 online computer based entrance test MEVST/MGI -2022 such as Admit Card & or photo copy of application form / Demand Draft etc. The candidate will be offered a seat in the Institute and course as per the combined merit list prepared by Bharati Vidyapeeth (Deemed to be University), Pune for the Institute and both the courses. 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 Institute and particular programme.

Waiting list for candidate of each category will be prepared separately and a seat which will fall vacant before the cut off date will be offered to the next candidate in the waiting list. However the seats falling vacant after cut off date will be offered to any available candidates. The cut off date for the course is 31st September, 2022.

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.

#### For Admission to MEVST/MGI-2022

- 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 12<sup>th</sup> 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.
- i) Certificate of Medical Fitness.
- i) 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

#### 13.FEE STRUCTURE for 2022-2023 only:

\*Note: The fee structure for the academic year 2022-23 will be available at byuniversity.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 bharatividyapeethfees.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.

#### 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.

<sup>\*(</sup>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 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 /

- 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 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 Statuary 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."

#### 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 college 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.
- 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.
- 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 THE ENTRANCE EXAMINATION FOR M.Sc. ENVIRONMENT SCIENCE AND M.Sc. GEOINFORMATICS

The entrance examination for admission to M.Sc course will be based on the following syllabus.

#### **English Comprehension**

This section shall comprise questions on Reading Comprehension: Intended to assess candidates' ability to understand and analyze information presented in text and also to assess aspirants' ability to apply concepts and information presented in a passage to parallel situations, in this part, candidates shall be provided one or more passages accompanied by sets of questions. Critical Reasoning: Intended to assess aspirants' ability to analyze arguments, find underlying assumptions, discern flaws in arguments and ascertain their validity and also to assess aspirants' ability to critically evaluate statements and situations; the questions in this part shall be based on short passages. Verbal Ability: Intended to test the candidate's understanding of the basic rules of grammar and English usage, this section will cover Pronouns, Misplaced Modifiers, Subject-Verb agreement, Parallel Construction, Verbs, Quantifiers, Comparatives and Idiomatic Expression, Vocabulary, Synonyms and Antonyms and Sentence completion.

#### Quantitative Aptitude and Numerical Ability

This section is intended to assess the quantitative aptitudes of the applicants. This section intended to evaluate aspirants' understanding and ability to apply the knowledge of basic mathematical concepts. This section will have questions pertaining to functions, algebra, coordinate system, inequalities, time, speed, distance, ratios and proportions, sets, profit and loss, simple and compound interest and elementary statistics central tendency, dispersion, probability, set theory, area, straight lines, circle, ellipse, parabola, hyberbola, theory of numbers, volumes.

#### Reasoning and General Intelligence

This section intends to assess aspirants' ability and capacity to draw inferences from various given situations and their ability to use logic and general intelligence. This section will have questions that will require aspirants to use logic to draw inferences and make effective decisions.

Reasoning: Series, analogy, classification, analytical reasoning, mirror images, water images, spotting out the embedded figures, completion of incomplete pattern, figure matrix, paper folding, paper cutting, rule detection, grouping of identical figures, cubes and dice, dot situation, construction of squares and triangles, figure formation and analysis.

General knowledge: General awareness about India and world affairs, Environmental Issues, India's Space Program, Remote Sensing and GIS, Parliament, Policies, Sports, Literature, Science, Eminent personalities, Titles conferred, Records, Indian culture, etc

## **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)

#### **ANNEXURE-III**

## **AUTHORIZATION FOR REPRESENTATIVE**

l,			sor	n/daughter of
		being unable to atte	end the counseling session	for
that the deci me. This au	sion taken by the authorise othorised representative w	course in Bharati Vidyapeeth (De ed representative will be irrevocab vill present all the necessary doc for admission on my behalf.	le and that it will be final o	ind binding on
Name of the	candidate:			
(IN CAPITAL	LETTERS)			
Seat No.( <b>MI</b>	EVST/MGI-2022 EXAMIN	IATION):		
Place :				
Date:				
Reason for a	bsence:			
	Signature of the Represen	tative Si	gnature of the candidate	
	A recent passport		A recent passport size	
	size photograph		photograph of	
	of the representative		the candidate	
	should be affixed here		should be affixed here.	

#### **OUR INSTITUTES**

## **Online Computer Based Entrance test for** M.Sc. Environment Science and Technology &

M.Sc. Geoinformatics - 2022

#### : 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 .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@bharatividyapeeth.edu

#### Pune

Bharati Vidyapeeth (Deemed to be University)

#### Institute of Environment Education and Research,

Pune-Satara Road, Pune 411043. Tel. No. 020-24375684,24362155 http://conpune.bharatividyapeeth.edu/

Entrance test fee along with completed online application form Rs. 1200/- (Non Refundable)

#### Calendar of Events

A) Last date for submitting the completed

online application form to:

7th June, 2022

before 05.00 p.m. at byuniversity.edu.in

B) Date of Online Computer based entrance test 14th June, 2022

C) Declaration of results 28th June, 2022

D) Online Counselling for MEVST/MG-2022

4th July 2022, Online Counselling

Time slots & Zoom link will be communicated

via email on 2nd July 2022

E) Last date for admission 15th July, 2022

Classes commence from 1st August, 2022

G) Address of the College Bharati Vidyapeeth

(Deemed to be University)

Institute of Environment Education and Research.

Pune-Satara Road, Pune 411043.

Tel. No. 020-24375684,

020-24362155,7447431314

#### Result of MEVST/MGI-2022

The results will be available at the Institute of Environment Education and Research, Bharati Vidyapeeth (Deemed to be University), Pune on the scheduled date. It will also be displayed on our website

www.bvuniversity.edu.in

#### Online Counselling & on the spot admissions

The candidates whose names are included in the merit list prepared on the basis of MEVST/MGI-2022, should participate in the online counselling online counseling sessions and be prepared to take admission to First Year M.Sc. Environment Science and Technology/M.Sc. Geoinformatics, as per their ranks.

Date	Course	Time	
4th July 2022	M.Sc. Geoinformatics	Time slots & Zoom link for the same will be communicated via email on 2nd July 2022	





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

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

Phone No.: 020 24407131/132/133

Fax No.: 020-24329675

Website: www.bvuniversity.edu.in E-Mail: cet@bharatividyapeeth.edu