

1. About the Department:

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The Department of Environmental Science came into existence under the School of Vocational Studies and Applied Sciences at the Gautam Buddha University in July 2011. At present, the Department offers four (04) academic programs M.Sc. Environmental Science (15 Seats), Ph.D. in Environmental Science (Full Time and Working Professional), Post Graduate Diploma in Environmental Management (Full time/Working Professional, 10 Seats), and Post Graduate Diploma in Environmental Law and Policy (Full time/Working Professional, 10 Seats).

All the programs follow the Choice-based Credit System (CBCS) comprising of core and elective courses. Students' evaluation consists of continuous assessment throughout the semester. The Environmental Science Department boasts a seasoned faculty and modern facilities. Special emphasis is given to teaching, research, and development in thrust areas of Environmental Science.

The forte of the Department lies in a strong team of eight experienced faculty members with diverse specializations ranging from The forte of the Department lies in a strong team of eight experienced faculty members with diverse specializations ranging from Biodiversity Conservation, Environmental Impact Assessment, Social Impact Assessment, Restoration Ecology, Natural Resource Management, Energy and Bioenergy Production, Environmental Microbiology, Bio-deinking of Waste Paper, Lignocellulosic Waste Management, Microbial Bio-remediation, Surface Chemistry, Low-Cost Treatment of Water and Waste Water, Management of Mining Tailing Waste Water *etc.*

The Department of Environmental Science acts as a nodal centre for teaching the Ability Enhancement Course (AEC), and Environmental Studies (A compulsory course as per the UGC guidelines) at various Departments (s) of the University. Course content is developed in consultation and collaboration with academic and industry experts with the objective to create the high-caliber workforce required to meet contemporary challenges in

the area of Environmental Science. The Department's Academic programs are reviewed, revised, and updated on a regular basis, taking into account the needs of academia and industry.

The Department of Environmental Science has been proactive in expanding the outreach of the University by building ties with eminent knowledge partners such as Jawahar Lal Nehru University (JNU), New Delhi; University of Delhi (DU), New Delhi; CSIR-National Physical Laboratory (CSIR-NPL), New Delhi; Babasaheb Bhimrao Ambedkar University (BBAU), Lucknow; Central University of Bihar (CUB), Bihar; Wild Life Institute of India (WII), Dehradun; Indian Council of Agricultural Research (ICAR) Delhi; CSIR-National Institute of Science Communication and Policy Research (CSIR-NIScPR), New Delhi; World Wide Fund for Nature (WWF), Delhi; Tamil Nādu Pollution Control Board (TNPCB), Chennai; Indian Agricultural Research Institute (IARI), New Delhi; Banaras Hindu University (BHU), Banaras; Guru Gobind Singh Indraprastha University (GGSIPU), New Delhi; Ministry of Ayush, Government of India.

The Department is acting as a nodal center in Memorandum of Understanding (MOUs) signed with ICAR-Central Agroforestry Research Institute, Jhansi (U.P.); Ch. Ramesh Chand Charitable Trust, Ghaziabad, (U.P.); Eco-tech Instruments Kasna, Greater Noida, Gautam Budh Nagar (U.P.); Western Sydney University, Australia.

During the last 5 years, more than 20 students of this department have qualified in NET/GATE/SET organized by UGC/ICAR/AICTE *etc.* Enthusiastic participation of the Department in observing important days *viz.*, National Science Day, World Wetlands Day, Ozone Day, World Food Day, World Environment Day, Wildlife-week, Earth Day, *etc.* Under the visionary leadership of the Hon. Vice Chancellor of the University and erudite mentorship of the Dean, School of Vocational Studies and Applied Sciences has always been remarkable and well appreciated.

The Department makes continuous efforts to inculcate a scientific bent of mind and good academic and research aptitude among students through well-planned curricular and co-curricular activities. The meritorious students and best learners are motivated and rewarded with a citation, Trophy, and one-time incentive of Rs. 21,000/- sponsored by Ch. Ramesh Chand Charitable Trust, Ghaziabad (U.P.).

Two Centres of Excellence have been established under the Department of Environmental Science *viz.*, the Centre of Excellence for Sustainable Development and the Centre of Excellence for Earth. Both these centres are fresh adornments to the department's headdress.

Laboratory Instruments available

- Air Quality Monitor
- Atomic Absorption Spectrophotometer (AAS)
- Autoclave (Vertical)
- Automatic Weather Station
- Biological Oxygen Demand Analysis System with Incubator
- Bomb Calorimeter
- Carbon Dioxide Monitor
- Carbon Monoxide Monitor
- Centrifuge
- COD/TOC Digestion System
- Conductivity/TDS Meter
- Digital Electronic Analytical Balance
- Fume Hood
- Gaseous Pollutants Sampler
- GPS System
- Handy Sampler
- Hanna Instruments Temperature Correction Water Quality Meter/Analyzer
- Hot Air Oven
- Karl Fisher Titrator
- Turbidity Meter
- Laminar Air Flow
- Light Microscope
- Magnetic Stirrer with Hot Plate
- Muffle Furnace
- Multiparameter System for pH, TDS, COD, DO, BOD
- Oil and Grease Analyser
- pH Meter
- Pre-programmed UV-Visible Spectrophotometer
- Real Time Noise Monitor
- Respirable Dust Sampler
- Rotatory Flask Shaker
- Total Kjeldahl Nitrogen Analyzer
- Water Bath (6 Holes)
- Water Bath Shaker
- Water Distillation Unit

Social Media Plat Forms:

