



Charutar Vidyamandal's

INSTITUTE OF SCIENCE & TECHNOLOGY FOR ADVANCED STUDIES & RESEARCH

Top 3rd Rank Among All Colleges of Gujarat by KCG (GSIRF)

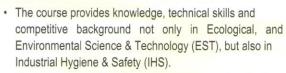
(Recognized by Section 2(f) & 12(B) of UGC Act by University Grant Commission, New Delhi)

(Accredited "A" Grade by NAAC & KCG)

M.SC. ENVIRONMENTAL SCIENCE & TECHNOLOGY (EST)

Affiliated to CVM University, Vallabh Vidyanagar, Anand, Gujarat

FASCINATING FEATURES



- Four semesters & Two Years Master Degree Program is offered.
- The program is flexible enough to fit in the interests and need of wide spectra of Industries, Consultancy, Academics, Research Institutes & various Organizations of Gujarat State as well as India in the field of Environmental Science, Pollution & Management, Hygiene & Safety.
- 10-12 weeks of Project / Dissertation work in frontiers of Environmental Science and Technology and Industrial Hygiene & Safety during 4th Semester.
- Certificate Course for 3-days on On-hand Instrumentation
 Training at Sophisticated Instrumentation Center for
 Applied Research & Testing (SICART) on GC-MS, ICPA,
 FT-IR, Environmental Testing Mobile Van during 4th
 Semester.
- 100% University Results with maximum number of First Class and Distinctions since inception of the course.
- Cutting-edge of research in frontiers of EST: Received funds for Major Research Projects from reputed National Funding Agencies such as MoEF, MoES, DST, UGC, FES, CCD, etc.
- Taught by highly skilled, well-experienced, well-qualified, and competent Faculties from Physical, Chemical, Biological & Natural Science aspects.
- · Intake: 70 Seats

COURSE CONTENT

Semester 1

- Environmental Biology & Restoration Ecology
- Air Pollution & Climate Change
- Water Pollution & Control Technology
- Environmental Chemistry & Geology
- Practical Two Papers

Semester 2

- Remote Sensing & Geographic Information System
- Meteorological & Environnemental Instruments
- Occupational & Environmental Toxicology*
- Industrial Hygiene & Occupational Health*
- Practical Two Papers

Semester 3

- Environmental Biotechnology
- Environmental Impact Assessment & Legislation
- Industrial Safety & Control Technology*
- Industrial Pollution & Control Technology*
- Practical Two Papers

Semester 4

- Waste Management & Control Technology
- Environmental Resources & Biodiversity Conservation
- Practical One Paper
- Project Work / Dissertation

* Indicates Courses related to Industrial Hygiene and Safety



Eligibility for Admission

Bachelor of Science: Environmental Science, Botany, Zoology, Fire & Safety, Chemistry & Allied Sciences, Biochemistry, Biotechnology, Microbiology, Genetics, Bioinformatics, Geography, Geology, Physics, Biomedical – Lab Technician, B.Sc. Agriculture, B.Sc. Forestry, B.Sc. Home Science, Bachelor of Engineering, B. Pharm.

Admissions From May

Absolute assistance in Campus Interview & Placements:

Majority of our students are employed in Industries, Consultancies, and Research Organizations in several parts of our country and abroad.

Employment Opportunities (Absolute Placement):

In Industry: As Environmental Auditors, Environmental Officers, ETP Supervisors, Consultants, Safety Officers, Hygienists, Scientist, Lab Supervisors, Scientific Officers, Lab Chemists, Field Supervisors, Plant Supervisor

In Academics: As Assistant Professors, Lecturers, Teachers





Memorandum of Understanding (MoU)

 National Institute of Advanced Industrial Science & Technology (AIST), Tsukuba, Japan
 Missouri University of Science & Technology (MST), Rolla, Missouri, USA
 Nandesari Industrial Association (NIA), Green Circle, Inc., Baroda
 Gujarat Institute of Desert Ecology (GUIDE), Bhuj (Kachchh)
 Vidyanagar Nature Conservancy (VNC), GCPC, Gandhinagar, Govt. of Gujarat.

Unique Features

Excellent Laboratory Facilities • Seminars, Workshops, Industrial Visits, Study Trips, Summer Training • Weekly Practice Test, Bridge Course, Competitive Exams • Preparation for NET & SLET • Field Sampling Techniques, Laboratory Analytical Methods • Expert Talks, Guest Lectures, Ph.D. Program in Environmental Science & Biotechnology

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