



Pandit Deendayal Petroleum University (PDU), Gandhinagar

School of Technology

Department of Civil Engineering

M.Tech in Environmental Engineering

About the Program

With increasing industrialization and urbanization, there is a long list of problems which have evolved in terms of Air Pollution, Water Pollution, Soil Pollution, Noise Pollution, Climate Change etc.. The consequences are in terms of higher health risk, reduced agricultural productivity, enhanced cost of living and many more. Thus the concern now is '**whether we are developing at the cost of our existence in the environment?**'.

At this juncture, there is a dire need of qualified professionals who can investigate the local scenario in terms of quantifying the environmental problem, establishing the root cause of the problem, cause – effect relationship and finally come out with cost effective solutions.

It is this essence which is in the **2 year M.Tech Program of Environmental Engineering** that we are offering at School of School of Technology, PDU, Gandhinagar. We started this program in the year 2015 and over a period of years, we have evolved and articulated this program which is now industry and research relevant.

The **salient strengths** of this program are:

- (1) Well Qualified Faculty Members teaching various subjects
- (2) State-of-the-art Laboratory for students to carry out research
- (3) Involvement of M.Tech Students in Funded Research Projects and Consultancy Assignments
- (4) Collaboration with premier research organizations (Indian and Abroad) for deputing students for 1 year dissertation work
- (5) Well placed Alumni which supports the present M.Tech students

Who is eligible to apply?

B.E. /B. Tech. or equivalent in Civil Engg./Chem. Engg./Environmental Engg. or M. Sc. in Environmental Science with minimum 60% or CPI/CGPA of 6.5 on a 10 point scale.

Pre-requisite:

None

About Curriculum

The curriculum for the program has been designed by referring the curriculum of reputed Indian & Foreign Universities. It is further fine-tuned as per the industry requirement.

The curriculum has been structured in three phases:

1. Core Courses: The core courses are essential to provide critical understanding of theoretical and practical issues to cater for environmental challenges.
2. Elective Courses: While core courses cater for goal of the program in the breadth, the elective courses cater in depth in the specific domains of the environmental engineering.
3. Research Project: The objective of the project is to associate students with research in the environmental engineering to work on genuine environmental problems and challenges.