PANDIT DEENDAYAL ENERGY UNIVERSITY

GANDHINAGAR, GUJARAT

Formerly Pandit Deendayal Petroleum University (PDPU)

ACCREDITED & RANKED BY
ARIIA nirf NBA

CENTRE OF EXCELLENCE
STATUS BY GOVT. OF GUJARAT

M.TECH. DATA SCIENCE

Data Science is a field that borrows from Mathematics, Computer Science, and Statistics. It covers techniques like information management, data mining, visualization, etc. that help make sense of all the data that is incomprehensible in its raw form. Data science is currently high in demand and explains how digital data is transforming businesses and helping them make sharper & critical decisions.

The Master program in data science offered by the department of Computer Science and Engineering is designed to equip students with the latest knowledge of data science along with its specific tools & techniques that can be applied to solve some real-world problem for a specific domain.

The course includes the science of interpreting large quantities of data and extracting useful information from it. The students will explore freely available (open) datasets and will learn how to import data, how to process, extract and highlight relevant information, discover patterns, and create visualizations that provide useful insights. Program also features a research-based approach to learning and encourages the pragmatic application of a variety of different techniques and methodologies to solve complex real world industrial and societal problems.

AREAS OF DATA SCIENCE RESEARCH EMPHASIS INCLUDE

- Exploratory techniques to analyze data
- Computational & Statistical models
- Reasoning the algorithmic decisions of data
- Data Science for solving societal & Industrial issues
- Visualization of real-world data & Interpretation

PROGRAM HIGHLIGHTS

Industry-based curriculum **|** Capstone projects Regular interaction with industry **|** 1 year industry internship **|** Highly experienced faculty **|** Specialized infrastructure & software

ELIGIBILITY CRITERIA

B. E. **|** B. Tech. in Computer Science & Engineering **|** Computer Engineering **|** Information Technology **|** Information & Communication Technology **|** Electronics Engineering **|** Electronics & Communication Engineering **|** Electrical Engineering **|** Electronics & Telecommunication Engineering **|** Master of Computer Applications **|** M. Sc. in Computer Science **|** Information Technology **|** Mathematics **|** Statistics

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