



## **Pandit Deendayal Petroleum University (PDPU), Gandhinagar**

### **School of Technology**

### **Department of Mathematics**

### **Master of Science in Mathematics**

#### **About Course**

Master of Science in Mathematics at PDPU provides opportunities to students in developing the foundations towards bright and exciting careers in various fields of Science and Technology. The program aims to develop new skills, the ability to work independently, think analytically and innovatively. The curriculum is designed to cater to the need of industry as well as society.

Distinctive academic curriculum, qualified and competent faculty members, transfer of knowledge through scholarly activities, Interdisciplinary project based learning, exceptional computational facilities, industry interaction, and semester opportunities (at collaborated National / International University).

This program enables to delve deeply into particular aspects of pure and applied mathematics through a wide choice of modules in areas such as Analysis, Algebra, Mechanics and Calculus of Variations etc. The choice of modules is sufficient to be of interest to fulfil the knowledge gaining process for the aspirants who are looking to advance their career by gaining a high-level qualification. Upon the successful completion of the program, the candidate will obtain a Master's degree with a piece of independent study, exploring key mathematical topics in detail, and conclude this with a dissertation.

#### **Areas of Research**

- ❖ Continuum Mechanics
- ❖ Numerical Analysis
- ❖ Computational Fluid Dynamics
- ❖ Computational Neuroscience
- ❖ Computational Seismology
- ❖ Software Reliability
- ❖ Theory of Relativity
- ❖ Oceanography
- ❖ Optimization

#### **Strength**

- ❖ Curriculum based on NET, GATE, JEST.
- ❖ Project Based Learning
- ❖ Student Research Projects funded by University
- ❖ International Exposure Programme
- ❖ Highly Qualified Team of Faculty

**Eligibility Criteria**

- ❖ B. Sc. Mathematics / Mathematics (Hons.) or equivalent degree in offered specializations with minimum of 50 % aggregate.

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For more details visit website.

## Our strength (Faculty)



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