

About the University

Pandit Deendayal Petroleum University (PDPU) is recognized by UGC under section 2(7) and is located in Gandhinagar, Gujarat. Recently NAAC has accredited PDPU with A Grade. PDPU is a world-class institution, modelled on the pattern of IITs and IIMs which creates a vibrant brigade of knowledgeable leaders in the energy, engineering and technology sectors.

Since its establishment in 2007, the University has enlarged its scope by offering courses in diversified in a very short span of time. For the development of its faculties and staff, the University endeavors for various Joint Exchange and Research programs. In March 2018, University Grants Commission (India) has granted autonomy to PDPU.

About SOT

The school emphasizes on sound theoretical and practical knowledge of the chosen engineering discipline while getting a broad overview of other disciplines. The pedagogy involves industrial orientation, industry internships, civic and social internships, international exposure, workshops and presentations, all geared to give the right learning ecosystem for industry ready talent. SOT offers 4 years B. Tech., 2 years M. Tech. and Doctoral programs in various branches of engineering and sciences.

About the Department

The Department of Mathematics was formed in the year 2011. The major research thrust areas are Non-Newtonian fluid flows and Magneto Hydrodynamics, Optimization, Continuum Mechanics, Computational Neuroscience, Computational Seismology, Software Reliability, Theory of Relativity, Fuzzy sets, oceanography, etc. The Department also offers Ph.D. program to deserving candidates.

About FIM

The Forum for Interdisciplinary Mathematics (FIM) is a registered trust in India. It is an Indian based international society of scholars working in mathematical sciences and its allied areas. The society was incepted in 1975 by a group of intellectuals led by Professor Bhu Dev Sharma, University of Delhi.

FIM has the support of Mathematics Teachers and also users of mathematics from different disciplines in the country and abroad. In 2016, first Gujarat Chapter was formed under FIM and many more are proposed in 2019. The society helps Institutions and Individuals to grow academically as well as professionally.

Objective of the STTP

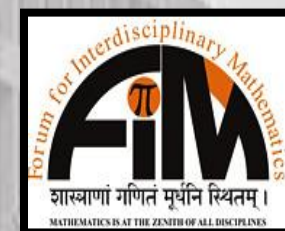
The objective of the STTP is to deliberate about the applications of Mathematics in Engineering and Sciences and to bring experts and young researchers on one platform for the exchange of ideas. This STTP aims at applications of different mathematical tools in various branches of engineering and sciences. It would provide support to researchers/ teachers of engineering and science background. The postgraduate students and research scholars would also gain fluency in the use of mathematics for practical problems.

About Gandhinagar

Gandhinagar got its name from the Father of the Nation, Mahatma Gandhi. It is the capital of Gujarat state and is located approximately at a distance of 32 kilometres towards north east from Ahmedabad. Gandhinagar is situated on the west bank of river Sabarmati. The distance from the Ahmedabad station to PDPU is 22 kms and from Ahmedabad Airport is 14 kms. It is 3 kms from Bhajipura and 6 kms from Koba circle. The major attractions around Gandhinagar are Akshardham Temple, Gandhi Ashram, Sabarmati Riverfront and Kankaria Lake.

**One Week STTP
on
Mathematical Modelling and
Simulation
3rd – 7th June, 2019**

**Organized By
Department of Mathematics
School of Technology
Pandit Deendayal Petroleum
University, Gandhinagar**



**In Association With
Forum for Interdisciplinary
Mathematics (FIM)**

**Coordinators
Dr. Manoj Sahni
Dr. Brajesh Kumar Jha**

Participants

The faculty members from Engineering Institutes, Colleges and Universities, Research Scholars and PG students are eligible for this STTP.

Registration Fees

- Rs. 3000 + 18% GST (total Rs. 3540) for M. Tech./ Research Scholars & Faculty Members. Registration fees are non-refundable.
- No TA/DA will be provided to the participants. Registration fees include registration kit, lunch and high tea for all days.
- Spot registrations are entertained with a late fee of Rs. 400.
- 20% discount will be given to FIM Life Members.
- **For FIM Membership: [Click Here!](#)**
- FIM membership can be availed by paying Rs. 500/- for Annual member and Rs. 5000/- for Life member with prior intimation at the time of registration.
- Accommodation will be provided on a payment basis and on a prior request subject to the availability of the rooms.

Contact Persons

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Gandhinagar.

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Organizing Committee

Chief Patron

Prof. C. Gopalkrishnan
Director General
Pandit Deendayal Petroleum University

Patron and Chairman

Prof. T. P. Singh
Director, School of Technology

Members

Dr. Poonam Mishra
Dr. Md. S. Ansari
Dr. Bhasha Vachharajani
Dr. Shobhit Nigam
Dr. Jwngsar Brahma
Dr. Dishant Pandya
Mr. Ankush Raj

Important Dates

Last date for registration: 30/04/2019

For registration: [Click Here!](#)

Confirmation to the participants: 03/05/2019

Bank Details

Name of the bank: Oriental Bank of Commerce
Branch: Suman Tower, Sector- 11, Gandhinagar
Account name: Pandit Deendayal Petroleum University
Account number: 09332151005094
IFS Code: ORBC0100933

Topics to be Covered in STTP

- i. Finite Element Modelling
- ii. Continuum Mechanics
- iii. Heat and Mass Transfer
- iv. Mathematical Biology/ Neuroscience
- v. Environmental Modelling
- vi. Fractional Differential Equations

Advisory Committee

- Prof. B.D. Sharma
(Former Prof. of Clark Atl. Uni., USA)
- Prof. B.K. Dass (University of Delhi, Delhi)
- Prof. S.C. Malik (M D University, Rohtak)
- Prof. K.R. Pardasani (MANIT, Bhopal)
- Prof. Junzo Watada (Universiti of Teknologi, Petronos, Malaysia)
- Prof. Deepankar Sharma
(Dr. K N Modi Inst. Of Eng and Tech., UP)
- Prof. Pankaj Srivastava (MNNIT, Allahabad)
- Prof. R. G. Vyas (MS University, Baroda)
- Prof. Manish Gupta (DAIICT, Gandhinagar)
- Prof. Neeru Adlakha (SVNIT, Surat)
- Prof. Sanjeev Sharma (JIIT, Noida)
- Prof. Amit Parikh (Ganpat University, Mehsana)
- Dr. R. C. Shah (MS University, Baroda)
- Dr. Sudip Sen Gupta (IPR, Ahmedabad)
- Dr. V. Sunitha (DAIICT, Gandhinagar)
- Dr. Kunal Pathak (Nirma University, Ahmedabad)
- Dr. Rajkumar Verma (University of Chile, Chile)