

ONE DAY NATIONAL SEMINAR ON Mathematics And Its Applications 19th November 2016 (Saturday)



**Organized
By**

Department of Mathematics and Computer Science

School of Technology

**Pandit Deendayal Petroleum University,
Gandhinagar**

In Association With

Forum for Interdisciplinary Mathematics (FIM)

Coordinators

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



About The University

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

The University has enlarged its scope by offering courses in diversified areas like core engineering, Nuclear Engineering, Petroleum Technology and Management, Solar Energy and Liberal Arts in a very short span of time since its establishment in 2007. For the development of its faculties and staff, the University endeavours for various Joint Exchange and Research programs.

About SOT

The school emphasizes on sound theoretical and practical knowledge of the chosen engineering discipline while also 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.

About The Department

The Department of Mathematics and Computer Science was formed in the year 2011. The major research thrust areas in which the Department faculty members are actively involved are Mathematical Modelling, Magneto Hydrodynamics Fluid Flow and Heat Transfer, Optimization, Solid Mechanics, Computational Neuroscience and Biology, Functional Analysis, Computational Seismology, Software Reliability, Theory of Relativity, etc. The Department offers Ph.D. programme to deserving candidates. From this academic year the department has initiated 4 years B.Sc. (Hons.) programme in Mathematics.

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 University of Delhi intellectuals led by Professor Bhu Dev Sharma.

FIM has the support of Mathematics Teachers and also users of mathematics from different disciplines in the country and abroad.

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 km. and from Ahmedabad Airport is 14 km. It is 3 km. from Bhaijipura and 6 km. from koba circle. The major attractions in and around Gandhinagar are Akshardham Temple, Gandhi Ashram, Sabarmati Riverfront and Kankaria Lake.

Objective of the Seminar

The objective of the seminar 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 seminar aims at applications of different mathematical tools in various branches of engineering and sciences. It would provide support for teachers teaching contextualized mathematics in engineering and science colleagues and Universities. The postgraduate students and research scholars would also gain fluency in the use of mathematics for practical problems.

Call for Presentation

Due to paucity of time, few selected participants will be intimated to deliver a contributed talk of 20 minutes. For the contributed talk the selected participants are required to send a PPT based on the applications of Mathematics in various field of Science and Engineering. Participants should clearly mention the following in the Title slide of PPT :

1. Topic of Mathematics to be covered in presentation, such as
 - i ODE and PDE
 - ii Matrix Algebra
 - iii Numerical Methods
 - iv Laplace Transform
 - v Fourier Series and Fourier Transforms
 - vi Probability and Statistics
 - vii Discrete Mathematics
 - viii Graph Theory
 - ix Operation Research
 - x Fuzzy Logic
 - xi Data Assimilation, etc.
2. Area in which the selected topic of mathematics is applied.

Advisory Committee

- Prof. B.D. Sharma (Former Prof. of Clark Atl. Uni., USA)
- Prof. B.K. Dass (University of Delhi, Delhi)
- Prof. K.R. Pardesani (MANIT, Bhopal)
- Prof. M.N. Mehta (SVNIT, Surat)
- Prof. Pankaj Srivastava (MNNIT, Allahabad)
- Prof. Nita H. Shah (GU, Ahmedabad)
- Prof. Ravi Gor (BAOU, Ahmedabad)
- Dr. Sanjeev Sharma (JIIT, Noida)
- Dr. R.K. Verma (Indraprastha University, Delhi)
- Dr. Neeru Adlakha (SVNIT, Surat)
- Dr. Amit Parikh (Ganpat University, Gujarat)
- Dr. Vimal Gandhi (DDU, Gujarat)
- Dr. V. Sunitha (DAICT, Gandhinagar)
- Dr. Sudip Sen Gupta (IPR, Ahmedabad)
- Dr. Sandeep Vasant (Ahmedabad University, Ahmedabad)

Participants

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

Registration Fees

M.Tech. / Research Scholars – Rs. 600/-

Faculty Members – Rs.1000/-

Spot registrations are entertained with a late fee of Rs. 200 . 20% discount will be given to FIM (Life/Annual) Members. No TA/DA will be provided to participants.

Registration fees include registration kit, lunch and high tea. 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. Membership form can be downloaded from the website of FIM (<http://forum4interdisciplinarymathematics.org/>)

Important Dates

Registration form with PPT of presentation: 15/10/2016

Confirmation of Participants: 21/10/2016

Registration Fee submission: 31/10/2016

The completed registration form may be sent by e-mail to mia.math2016@gmail.com before 15/10/2016.

The selected participants will be intimated by e-mail latest by 21.10.2016.

The selected participants have to pay the registration fees through online. Bank details for registration fee will only be sent as an email to the confirmed participants. Registration fees once paid will not be refunded.

Contact Person

Dr. Manoj Sahni

Assistant Professor

Department of Mathematics and Computer Science
Pandit Deendayal Petroleum University, Gandhinagar.

E_mail: mia.math2016@gmail.com

079 – 23275470

Tentative Schedule

Begins	Ends	Task
8:30 am	9:00 am	Registration
9:00 am	9:30 am	Inauguration
9:30 am	10:30 am	Keynote Speaker-I
10:30 am	10:45 am	High Tea
10:45 am	11:45 am	Keynote Speaker-II
11:45 am	1:15 pm	Session-I
1:15 pm	2:00 pm	Lunch
2:00 pm	4:00 pm	Session-II
4:00 pm	4:15 pm	Tea Break
4:15 pm	5:45 pm	Session-III
5:45 pm	6:00 pm	Valedictory Session

Organizing Committee

CHIEF PATRON

Prof. T.K. Reddy
Director General, Pandit Deendayal Petroleum University

PATRON

Prof. H. B. Raghavendra
Director, School of Technology

CHAIRMAN

Prof. T. P. Singh
Head, Department of Mathematics and Computer Science

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

Registration Form



ONE DAY NATIONAL SEMINAR ON “Mathematics And Its Applications”

Name:

Gender:

Qualifications:

Designation:

Organization:

Field of Interest:

Contact No: (O) _____ (M) _____

Address:

Willing to present (Yes/No):

If Yes, Title of Presentation:

Email:

Date:

Sign: