

## Organizing Committee

### Chief Patron

**Prof. T. Kishen Kumar Reddy**

Director General, Pandit Deendayal Petroleum University

### Patron

**Prof. T. P. Singh**

Director, School of Technology

### Chairman

**Prof. Vishvesh Badheka**

Head, Department of Mechanical Engineering

### Members

Dr. Vimal Savsani

Dr. Pavan Gurrala

Dr. Vinay Vakharia

Dr. Nirav Patel

Dr. G. Nagababu

Dr. Jaydeep Patel

Mr. Krunal Mehta

### External Speakers:

Mr. S. S. Gill, Indian Space Research Organization, Ahmedabad

Mr. V. Pisharody, Ingersoll Rand India Ltd. Ahmedabad

Mr. Anand Savalia, Rajkot Engineering Testing and Research Centre, Rajkot

Prof. S. B. Soni, Emeritus Professor, Ahmedabad

### Internal Speakers:

Dr. Vimal Savsani

Dr. Pavan Gurrala

Dr. Vinay Vakharia

Dr. Nirav Patel

Dr. Jaydeep Patel



**Pandit Deendayal Petroleum University**

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Gujarat-382 007

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Fax: +91-79-23275030

[www.pdpu.ac.in](http://www.pdpu.ac.in)

## Registration Charges

**Seats are Available on First Come First Serve**

Registration Starts: **February 26, 2018.**

Last date of Registration: **March 15, 2018.**

Registration Charges:

Academia Participants: INR 600/-

Industry Participants: INR 1000/-

Registration fee includes workshop kit, lunch and snacks. Registration fee is to be paid online.

*Note: Registration fees once paid will not be refunded*

**For Registration details, contact:**

Mr. Krunal Mehta,

Lecturer,

Department of Mechanical Engineering,

School of Technology, PDPU,

Email: [mailtokrunalmehta@gmail.com](mailto:mailtokrunalmehta@gmail.com)

Mobile: 91-9426337555.

## Travelling and accommodation

Participants are required to make their own arrangements for traveling and accommodation. However, accommodation can be arranged at PDPU guest houses on payment basis. Please contact Mr. Krunal Mehta in advance for more details.

## Objectives of the Program

- Share the worldwide experience in the recent advances in Mechanical Engineering Design.
- Bringing researchers and practitioners from industries and academia to discuss current problems and their solution.
- 8 hours of hands-on sessions/practical demonstration on FFT Analyser, Additive Manufacturing and Optimization MATLAB tool Box.

A Three Day Workshop

On

*“Advances in Mechanical Engineering Design (AMED)”*

From

**March 19-21, 2018**

Co-ordinators

Dr. Vinay Vakharia

Dr. Nirav Patel

Organized by

Department of Mechanical Engineering,  
School of Technology,  
Pandit Deendayal Petroleum University,  
Gandhinagar, Gujarat, India.



## About the University

Pandit Deendayal Petroleum University has been established by GERMI as a Private University through the State Act enacted on 4<sup>th</sup> April 2007, with a vision 'To be an internationally renowned & respected Institution imparting excellent education & training based upon the foundation of futuristic research & innovations'. This objective is being addressed through a number of specialized and well-planned undergraduate and post-graduate energy education programs and intense research initiatives. Pandit Deendayal Petroleum University has been promoted by Government, Industry & Energy to create a world class University in energy education and research with special focus on the oil and gas sector. The University addresses the need for trained and specialized human resource in the domains of engineering, management and humanities. PDPU is ranked 55<sup>th</sup> in India and 1<sup>st</sup> in Gujarat state as declared by NIRF, MHRD, Government of India. Recently PDPU got NAAC accreditation with "A" grade and CGPA of 3.39 of 4 point scale.

## About the School of Technology (SoT)

The school emphasizes on sound theoretical and practical knowledge of the chosen engineering discipline while also getting abroad 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., M. Tech. and Doctoral programs.

## About the Department

Mechanical Engineering Department at PDPU currently offers B. Tech, M. Tech. and Ph.D. programs. The Department has well established laboratories in the areas of Design, Thermal Engineering and Manufacturing.

## About the Workshop

Design of mechanical components is an integral part of Mechanical Engineering. Conventional design approach involves modelling, analysis and optimization in a sequential manner. With recent advancements in industrial and other applications demand for advances in design. This involves the knowledge in key areas such as additive manufacturing, condition/health monitoring of structures and finally optimization of various influencing parameters. These are the much needed expertise for the emerging demands of both academia and industry. Additive manufacturing allows designers to realize their concepts beyond virtual visualization. This enables to understand the look and feel of the design. Vibration based condition monitoring is used to detect healthy condition or fault condition of a mechanical device. This can be achieved by various sensors which use techniques of artificial intelligence which enables the user to monitor even while the components are in operation. The optimization techniques help the designer in deciding the right set of parameters towards an optimum design. This can be performed using various optimization tools and techniques. Workshop includes the theoretical/practical discussions on all above topics by industrial and academia experts. It also includes sessions/practical demonstration for 8 hrs. This workshop will be useful to researchers, industry participants and students at both UG/PG level for career advancement in the field of design.

## How to Apply

The applicants are required to submit filled registration form (Hard Copy/Soft Copy) along with transfer details of registration fees (payable through online transfer).

**Account No: 20403677419, IFSC code: SBIN0014937, SBI PDPU Branch, Gandhinagar, Gujarat**

Contact Mr. Krunal Mehta for further queries and mail to [mailtokrunalmehta@gmail.com](mailto:mailtokrunalmehta@gmail.com)

Mobile : 919426337555

*Seats are limited for PDPU participants.*

Confirmation of Participation: **March 15, 2018** via e-mail.

## Who should attend...??

- Academicians from institutions and universities
- Industry professionals
- Research scholars
- Students at UG/PG level

## Pandit Deendayal Petroleum University

School of Technology  
Mechanical Engineering Department

## REGISTRATION FORM

A Three Day Workshop  
On

*“Advances in Mechanical Engineering  
Design (AMED)”*

March 19-21, 2018

Name: .....

Birth date: .....

Discipline: .....

Organization: .....

Designation: .....

Address: .....

Contact No.: .....

E-mail: .....

Place:..... Date: .....

Paste latest  
passport size  
Photograph  
here.  
(Please Do  
not staple)

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Signature of Applicant