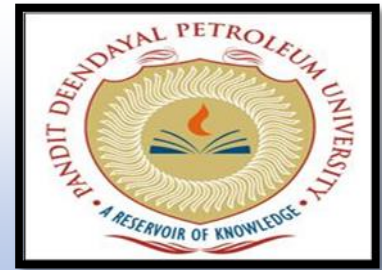




**Newsletter
Department of
Mechanical Engineering
November 2018**



From the Director's Desk...

Dear Reader,

I am delighted to introduce this first edition of the mechanical department newsletter. We intend to make it a regular publication and to use it to keep you in touch with news and developments related to the Department of Mechanical Engineering, School of Technology (SOT).

I take this opportunity to congratulate the editorial team for bringing out this newsletter, which in itself is an achievement considering the effort and time required. May all our students, staff and faculty soar high in uncharted skies and bring glory to the world and their profession with the wings of education.



*Dr. T.P. Singh
Director
School of Technology*

From the Head of the Department's Desk...

It gives me immense pleasure to share newsletter of the mechanical engineering dept., November 2018. Mechanical Engineering Dept. is the most happening dept. of the school of technology. Newsletter gives an overview of the activities carried out by students, staff and faculties during the month of Nov. You may please share your feedback, comments & suggestions to the coordinators.



*Dr Vishvesh Badheka
HOD, Mechanical Engineering
School of Technology*

FACULTY ZONE

Funded projects and Grants

- *Dr Anurag Mudgal received a five-year project "Low Cost Renewable Energy Driven (LC-RED) Water Treatment Solution Centre" was sanctioned from DST. Total amount sanctioned is 5.3 Crore.*
- *Under BRNS projects of Prof Vishvesh Badheka and Dr Kush Mehta, welding research lab received new welding machine- Hot Wire GTAW costing 13,00,000/-.*



Awards

- *Dr Jatin Patel and his team won second runner up in Poster presentation competition in REFCOLD India 2018 on 23rd November, 2018 at Mahatma Mandir, Gandhinagar.*



Expert Lectures Delivered

- **Dr Anurag Mudgal** delivered expert lecture on the topic "Renewable energy driven options for water treatment and food preservation", at BVM Engineering College, Vallabh Vidyanagar, Gujarat during TEQIP sponsored workshop "Advances in Renewable Energy Sources" from 26th November to 08th December, 2018.

Dr Jatin Patel delivered expert lectures on

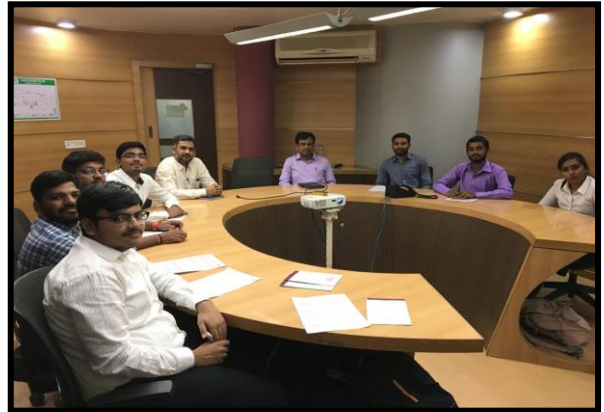


- "Solar Dryer with Thermal Energy Storage in Phase Change Materials (PCM)" in TEQIP-III sponsored two week short term Training Program on Advances in Renewable Energy Sources at Birla Vishwakarma Mahavidyalaya, BVM Engineering College, V.V. Nagar, Gujarat on 29th November, 2018.
- "Recent Trends in Solar Thermal Collectors and their Applications", in GUJCOST Sponsored Short Term Course on Recent Trends in Thermal Science & Engineering at LDRP Institute of Technology and Research, Gujarat Expert lecture delivered on 28th November, 2018.

Professional Meetings

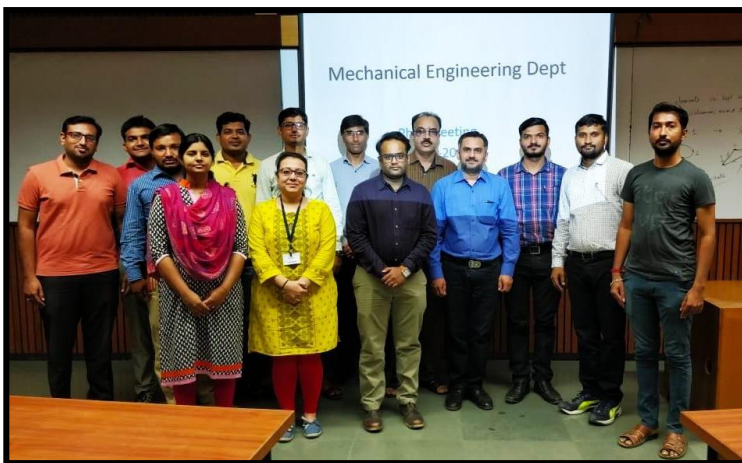
Outside Campus

- **Dr Vishvesh Badheka** was invited to conduct M.E dissertation Phase –I (production engineering) viva for 10 students at LDRP-ITR, Gandhinagar on 3rd Nov 2018.
- **Dr Vishvesh Badheka** attended Indian Institute of welding, Baroda Br, executive committee meeting held on 24th Nov 2018 at Baroda.
- **Dr Vishvesh Badheka** visited Kalpatru Power and Rooltelesonic Gandhinagar on 6th Nov 2018 regarding Industry connects and for possibility of CP projects for Industrial Engineering students.



Within Campus

- Mechanical Engineering Department conducted **meeting with all PhD scholars** of the department on 26th Nov 2018 to understand progress and issues of PhD scholars. Meeting was attended by 14 PhD scholars. **Dr Vishvesh Badheka** delivered presentation during meeting on way forward.
- **Dr Vishvesh Badheka** attended SoT Best speaker competition held on 27th Nov 2018. He also conducted B.Tech final year mechanical student's competitions; he offered topics like **skill India, Make in India, Digital India, and Swatch Bharat Abhiyan.**
- Attendance meeting of Mechanical Engineering Department students was held on 16th Nov 2018 along with parents and faculty coordinators.
- Synopsis presentation of **Mr Gaurange Joshi** held on 19th Nov 2018, Dr Amit Arora of IIT Gandhinagar visited as external DPC member.



Professional Meetings

Within Campus

- **Dr Vishvesh Badheka** conducted meeting with M.Tech students (Thermal/Design) jointly with coordinators on 29th Nov 2018 followed by presentation on way forward and interaction with students on their academic, 45+ students attended the meeting.
- **Students Research Project (SRP)** reviews were conducted for the department on 30th Nov 2018. The department has received highest numbers of student's participation, **75+ students, and 15 ME faculties.**
- **Mr Bharat Doshi**, Scientific officer G, IPR spared his full day during the review. Mr Doshi appreciated idea of students research project. He also visited Welding Research Lab as Co-PI of the ongoing BRNS project.



STUDENT ZONE

Achievements

➤ *Team CZAR (M-BAJA team) won 1st rank in Virtual BAJA SAE INDIA 2018-19 at national level.*

➤ **M. V. Ramakrishna Malladi (15BME059) published a journal article**

Malladi, R., Nizami, A., Mahakali, M., and Krishna, B., 2018, "Cloud Masking Technique for High-Resolution Satellite Data: An Artificial Neural Network Classifier Using Spectral & Textural Context", Journal of the Indian Society of Remote Sensing.

Palak Patel (15BME087, a student from mechanical engineering) and team won 1st place in Girls football GLS Tournament - Titanium Jural, in which she was the captain of the team.

“Foundry- casting demonstration”.

Foundry- casting demonstration and hands on experiences was conducted for final year Mechanical engineering students on 16th Nov 2018.



Newsletter Coordinators:

Dr Janardhan V and Dr Pankaj Sahlot