



The Differential

Department of Mechanical Engineering

Acropolis Institute of Technology and Research

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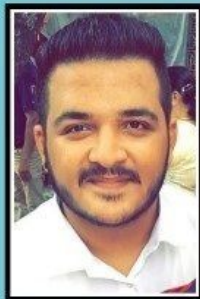
At A Glimpse...

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Chief Editor-
(Prof. Saurabh Jain)

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(Rahul Talreja, Tejasvi Harshwal)

From Editor's Desk



Rahul Talreja
(Student Editor)

Mechanical engineering is a creative discipline drawing on basic sciences to design devices, machines, processes and systems that involve mechanical work and its conversion from, and into, different forms of energy . Our respected, full-time faculty members teach the majority of the classes taken by our undergraduates, providing the proper balance of sound basic knowledge and cutting edge technological insight necessary to produce strong technological leaders

Vision

To be an academic leader for the development of human potential so as to meet the global challenges

Mission

- ✓ To create an intellectually stimulating learning environment.
- ✓ To impart value based, innovative, and research oriented education.
- ✓ To develop positive attitude with communication skills.
- ✓ To increase employability and entrepreneurship through collaboration with industries and professional organizations.

FDP Organized

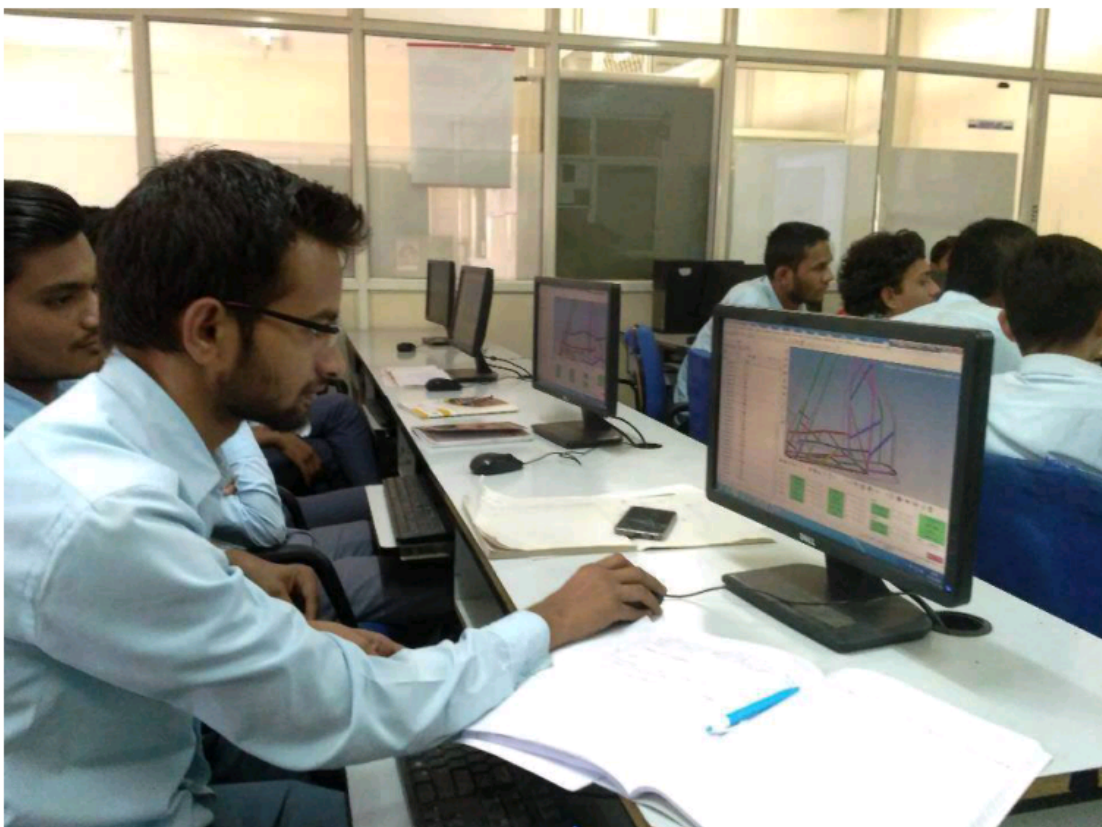
Mechanical Engineering Department organized a one-week FDP on “Basics in CREO-Sketching and Modeling” By Dysmech Consultancy Services Pvt. Ltd. from 13-18 July 2016.



Training Programs

1. One week Training on “**Heat Treatment and Metallurgy**” was conducted for Diploma Third year students at IGTR-MSME Indore.

2. “Altair Hypermesh”: Technical Skill Training on “**Altair Hypermesh**” was organized by The Mechanical Engineering department for third year students, Hyperwork is an efficient analysis tool used for the design and simulation of various machine components. It was advance training subsequent to modelling, which we have already taken in previous semester. The training was very useful for us as it improvised technical and analytical skills which are very important for mechanical students. But most importantly it turned to be a blessing for BAJA team as it helped them for analysis of vehicle structure, endurance and aesthetics.



Industrial Visits

Industrial visits are organized throughout the year to give real-life experiences to students. A good blend of theory and practice is maintained. Faculty organizing: Prof. Saurabh Jain and his team member have taken efforts and initiative, which made the visits a grand success. Our students visited following industries: Volvo-Eicher, Bridgestone, Sant Singaji thermal power plant, NHDC hydro power plant Omkareshwar, Caparo dewas, Porwal Auto components, IGTR, Mistri tools and die, Dhananjay Engg. , Sarthak Industries, Sanchi Dairy plant, Genius Engg., Prime powder coatings, Dhawal Engg., Aakash Stamping Enterprise, etc.



Faculty Achievements

A. FDP/Workshop/Seminar

1. **Mr. Nitin Rathi**, attended one day workshop on the topic : **“Effective Internal Coordination for Productive Outputs”** organized by Indore Management Association on 23rd August 2016 at Cummins Turbo Technologies India Ltd.
2. **Mr. Saurabh Jain** , attended one day FDP on **“How to write and publish research paper”** delivered by Dr. Aruna Tiwari IIT Indore at Patel GOI, Indore on October 8th 2016.
3. **Mr. Saurabh Jain** , attended a Two Day Workshop on **“ANSYS”** at SGSITS Indore on March 27-28, 2016.
4. Faculty members have attended FDP on **“Research and development”** organized in the month of July 2016.

B. Research Published

1. **Mr. Ashish Khare**, Dept. of Mechanical Engineering ,Presented a Paper Titled” Exhaust Energy Recovery With Heat Pipe In 4-Stroke Diesel Engine Test-Rig, Vsrd International Journal Of Mechanical, Civil, Automobile & Production Engineering, Published In Volume Vi Issue Iv April 2016, Page No. 133 To 136.
2. **Mr. Ashish Khare** Dept. of Mechanical Engineering Presented a Paper Titled “Recovering Rejected Heat from Refrigerator for Water Heating using Heat pipes”. International Journal of Innovative Research in science, Engineering, and Technology, Volume 5, Issue 9, September 2016, ISSN (Print): 2347-6710, Impact factor: 6.209.
3. **Mr. Vinayak Vishwakarma** Dept. of Mechanical Engineering, Presented a Paper Titled” ‘A fuzzy-based multi-criteria decision-making approach for supply chain risk assessment in Indian pharmaceutical industry’, Int. J. Logistics Systems and Management. (IJLSM) In press. Scopus indexed, ABDC listed.
4. **Mr. Vinayak Vishwakarma** Dept. of Mechanical Engineering, and Presented a Paper titled” “Modeling the barriers of Indian Pharmaceutical Supply Chain”. International Journal of Operational Research (IJOR) in press. Scopus indexed, ABDC listed.
5. **Mr. Vinayak Vishwakarma** wDept. of Mechanical Engineering Presented a Paper Titled” “Evaluating TQM adoption success factors to improve Indian MSME’s performance using fuzzy DEMATEL approach. International Journal of Productivity and Quality Management [in press]. Scopus indexed, ABDC listed.

Student Achievements

1. **Shashwat Sharma** Dept. of Mechanical Engineering (2016-17) Cleared KPIT SPARKLE 2017 innovative idea contest for innovative idea on smart city and Worked as a research staff in IIT,INDORE from 9th July,2016 to 23rd september,2016
2. **Abhishek Singh Yadav** Dept. of Mechanical Engineering (2016) industrial Training at Raja Ramanna Centre for Advanced Technology. Raja Ramanna Centre for Advanced Technology is a unit of Department of Atomic Energy, Government of India, engaged in R & D in non-nuclear front line research areas of Lasers, Particle Accelerators & related technologies.
3. **Abhishek Singh Yadav** Dept. of Mechanical Engineering I worked there as a mechanical Trainee. I was in the department of Beam Diagnostics Section (BDS), Indus Operations and Beam Dynamics and Diagnostics Division (IOBDDD), my topic of research was Micro Holes Machining on Machinable Ceramic for Pepper Pot Type Emittance Monitor.