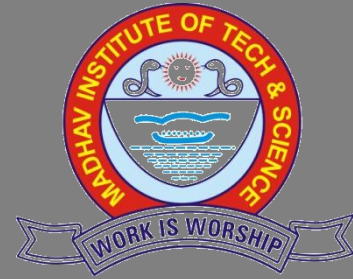


E-Newsletter

Department of Mechanical Engineering



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Madhav Institute of Technology &
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Faculty Outreached

- Prof. Shubham Srivastava, attended Short term course at SATI, Vidisha during 11th-15th May, 2018.
- 10 faculty members (Dr. P. Jayaswal, Dr. C.S. Malvi, Dr. M.K. Sagar, Prof. R.P. Kori, Prof. V. Chaturvedi, Prof. D. Kasdekar, Prof. S. Agrawal, Prof. V. Shivhare, Dr. A. Aherwar, Prof. B. Pandey) attended one week summer training program on "Active Learning for Senior Faculty" sponsored by TEQIP-III at IIT, Indore during June 18th-22nd, 2018.
- Dr. Dharmendra Jain, attended Teachers training program at NITTR, Bhopal during 25th-29th Jun, 2018.
- Prof. K.K. Yadav, attended Teachers training program at NITTR, Bhopal during 25th-29th Jun, 2018.
- Prof. K.K. Yadav, attended Induction program at SGSITS, Indore during 04th-06th Jun, 2018.
- Dr. M.K. Sagar, attended Faculty development programme at DTU, Delhi during 04th-08th Jun, 2018.
- Dr. C.S. Malvi, delivered a lecture on Recent trends in the field of solar power manufacturing at Vikrant, Gwalior (Apr 25, 2018).



Editorial Team

- Dr. Amit Aherwar
- Prof. Bhupendra Pandey

Activity Organized

1. One day Workshop on "Additive manufacturing" was organized by Mechanical Engineering Department on 29th April 2018. Mr. Deepak Bora, delivered lecture during the workshop. No of students participated: 30
2. Organized "Colloquium-2k18" by Mechanical Engineering Department during 3rd-4th May, 2018. In this event, the final year UG students show their project/models with poster presentation in front of external examiners.



सलाह: एमआईटीएस के मैकेनिकल इंजीनियरिंग विभाग की दो दिवसीय प्रदर्शनी का समापन युवा सरकार की योजनाओं को समझकर बनाएं मॉडल

ग्वालियर। नईदुनिया रिपोटर

माधव प्रौद्योगिकी एवं विज्ञान संस्थान के मैकेनिकल इंजीनियरिंग विभाग की दो दिवसीय विज्ञान प्रदर्शनी कौलोक्वियम-2018 का समापन शुक्रवार को हुआ। समापन समारोह के मुख्य अतिथि इसरो साइंटिस्ट डॉ. एनके गुप्ता थे। उन्होंने कहा कि देश के हर इंसान को अपने आप को साबित करने के लिए टेक्नोलॉजी के साथ चलना होगा। इसके अलावा युवाओं को ऐसे मॉडल्स बनाने होंगे, जो देश विकास में सहायक सिद्ध हों। विज्ञान के क्षेत्र में युवाओं को आगे ले जाने के लिए सरकार ने कई योजनाएं शुरू कर दी हैं, इनके बारे में जानकर वे प्रयोग करना शुरू करें। अंतिम दिन बीई अंतिम

वर्ष के 50 युवाओं ने सोलर वाटर, लैम्प, समुद्री ऊर्जा द्वारा विद्युत उत्पादन का मॉडल, सौर्य ऊर्जा से चलने वाली मशीन और अत्याधुनिक ब्रेकिंग सिस्टम आदि का प्रदर्शन किया।

यह है प्रदर्शनी का उद्देश्य

मैकेनिकल विभाग के विभागाध्यक्ष डॉ. मनीष कुमार सागर ने बताया कि इस प्रदर्शनी का आयोजन इसलिए किया गया, ताकि युवा नवीन तकनीक के बारे में जान सकें। ये ऐसे मॉडल बनाना शुरू करें, जो देश विकास में सहायक हों। इस मौक पर प्रो. सीएम मालवीय मौजूद थे।



Students Achievement & Activities

Final year students (Ravi Kushwaha, Bhumika Gohiya, Suchitra Malvia, Shivani Raghuwanshi) started their own company "Lucent Innovators". They developed four different types of solar bottle lamps such as 'Decore lamp', 'Hanging lamps', 'Study lamps' and 'other lamps', which can work in the day as well as at night. These lamps were made by scrap materials and solar under the supervision of Dr. C.S. Malvi.



Industrial Visit

An Industrial visit to **Central Institute of plastic Engineering & Technology (CIPET)**, Gwalior, Madhya Pradesh was organized by Mechanical Engineering Department on **13th Apr 2018**. Total 38 students and two faculty members visited to **Central Institute of plastic Engineering & Technology (CIPET)** to understand current market scenarios in Plastic Industry and latest most demanding technologies & criteria for selection etc. Students were divided in a batch of 20 students for interaction with the in-charge person. The Technical Head of CIPET conducted very informative session for the students. He motivated the students to select their domain area and importance of plastic Industry in the current market. He also discussed on current technology which they are using. The session was concluded with Question-Answer session.

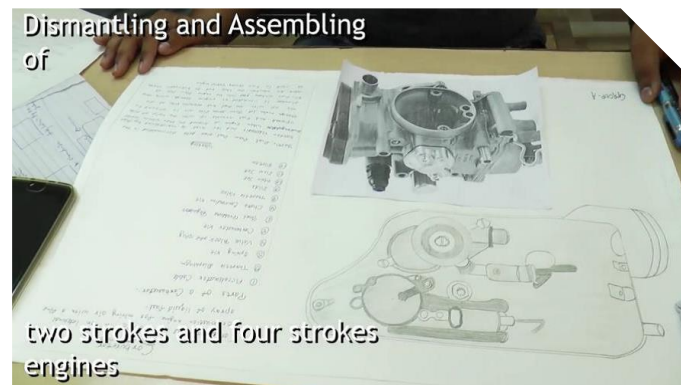


Summer Internship Programme

Department of Mechanical engineering organized summer internship programme with five different modules for first year under graduate students during 28th may-14th June, 2018 under the guidance of Dr. Amit Aherwar, Prof. Vaibhav Shivhare, Dr. Dharmendra Jain, Prof. Utkarsh Shrivastava, Prof. K.K. Yadav, Prof. Deepak Kumar, Prof. Shubhash Chand pal, Prof. Shubham Shrivastava and Prof. Sumit Singh as faculty advisors. The main objective of this summer training is to expose students to the industrial environment, which cannot be simulated in the classroom and hence creating competent professionals in the industry; Provide possible opportunities to learn understand and sharpen the real time technical managerial skills required at the job. Students learn to apply the technical knowledge in real industrial situations and expose students to the engineer's responsibilities and ethics as well. Moreover, students familiarize with various materials, processes, products and their applications along with relevant aspects of quality control. This programme helps students to understand the psychology of the workers and their habits, attitudes and approach to problem solving; understand the social, economic and administrative considerations that influence the working environment of industrial organizations. Total more than 150 students were registered in various modules.

Modules offered by the department

- Conventional machine
- Dismantling & assembling of two-stroke & four-stroke Engine.
- Repair and maintenance of a vehicle.
- Introduction to Auto CAD for Engineering Applications
- Mechanical Testing and Measurement



Dismantling and Maintenance of a Vehicle



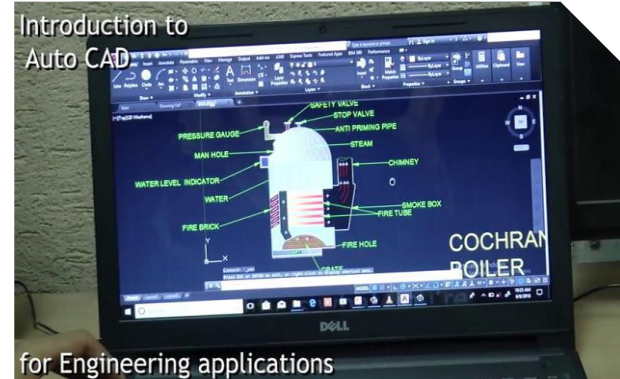
Dismantling and Maintenance of a Vehicle



One of the recurring themes in any entry level job search is lack of experience. "Where do I get experience if no one is willing to hire me?" The answer is simple: Get an internship!

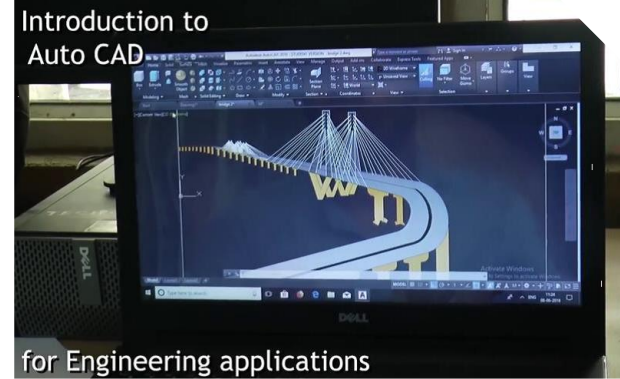
- An internship offers you the opportunity to get hired by the Industry/organization, practical experience in an organizational setting, excellent opportunity to see how the theoretical aspects learned in classes are integrated into the practical world. On-floor experience provides much more professional experience which is often worth more than classroom teaching.
- An internship also offers you the opportunity to learn new skills and supplement knowledge, communication and teamwork skills, learns strategies like time management, multi-tasking etc in an industrial setup and has the opportunity to meet new people and practice their networking skills.

Introduction to Auto CAD



for Engineering applications

Introduction to Auto CAD



for Engineering applications



Mechanical Testing and Measurements



Mechanical Testing and Measurements

Publications

- Dinesh Kumar Kasdekar, Sharad Agrawal
“Optimization of machining parameters of hard porcelain on a CNC machine by Taguchi and RSM method” International Journal of Engineering, Science and Technology. 2018, 10(1): 13-22.

