

Departmental Achievement

Department of Mechanical Engineering:

- Dr. Achal S. Shahare of GHRAET along with Mr. Prashant Awachat ,Vice Principal, GHRAET has bagged the Best Innovative Idea award at Product Design and Innovation Workshop organized on 18-19 December, 2015, at IIT Mandi, Himachal Pradesh
- Department had organized industrial tour at Delhi-Manali-Amritsar for the students from 26th Dec. 2016 to 2nd Jan 2017.
- Department had organized expert lecture for subject Engineering Metallurgy by Dr. R.V. Taywade (Professor VNIT Nagpur) on 26/08/2015 & on Entrepreneurship Development by Mr. Rohan S. Tanksale on 07/09/2015.
- Department organized industrial visit for students like, at Ashok Leyland, Nagpur,Mahananda Dairy Food. Pvt., S.T. Central workshop; Ajit Bakery Factory; Dinshas dairy food Pvt. Ltd.;Bajaj steel Ltd;Mahindra & Mahindra; etc.for the students all Semester.
- IIC Cell and EDC cell has been formed and one lecture for the same has been conducted by Mech. Dept.
- One Patents from mechanical third year have been filed.
- Department had organized technical workshop for students like,Robotic Workshop,Smart Automotive, Upcoming Employability, CNC Programming, Entrepreneur development,recruitment Opportunities for Engineersetc.
- Department had organized various event for students like, Graffiti (wall painting competition, poster competition (Topics on Make in India; Pollution free India, Rain water harvesting), Project competitions, best project award competition, etc.
- Faculty members are attended various programmes for self-improvement and getting knowledge on recent technology, programme like, STTP, Workshop on technical topics, 200 hrs training, FDP, etc.
- Department faculty members are attended and publish their papers on various international/ national conferences and journals. Totalpublications up to 2016-17 by faculty members aremore than120.
- Department faculty members are the members of different professional society like, ISTE, ASME, SESI, IIIE, ISHRAE, etc.
- Student of M. Tech Industrial Engineering top in the RTMNU exam and got 1st position in university.
- Department had organized Event under MESA like, Guest lectures, departmental events, Blood Donation Camp, etc.
- Department students had organized Social Activity and ISR activity like, SwachBahratAbhiyan, school visit by students, etc.
- Department students of final year did Industrial based projects.

Achievements by Faculties

International Conference:

1. Prof. Pranav Charkha presented research paper on “Analyzing the performance measure of internal supply chain for Indian Textile Industry: Application of Delphi Method in International Conference on Managing Supply Chain for Global Competitiveness organized in SRCOEM, Nagpur
2. Prof. Prashant Awachat & Prof. Siraj Sheikh presented research paper on “Static & Dynamic Stress Calculation Approach to Crank Pin” held at Shri. Shankarprasad Agnihotri College of Engg., Wardha in International Conference MANTHAN 2013.
3. Prof. Siraj Sheikh presented research paper on “Vibration Engineering & Technology of Machinery” at IIT, Delhi held during Dec-2010.

Short Term Training Programme (STTP):

1. Prof. Ashvin Deogade & Prof. Kapil Pakhare has attended STTP on Recent Advancement in Manufacturing Technology from 16 June14 -20June14 organized in Dr. Babasaheb Ambedkar College of Engg & Research, Nagpur.
2. Prof. Ashvin Deogade has attended STTP on Current Developments in CAD/CAM & Automation from 22 April -26April 2013 held at SVP CET, Nagpur.
3. Prof. Manish Moroliya has attended STTP on “Cool Hydraulics for Improved Productivity” from 17 Feb to 18 Feb 2014 held at Shri Ramdeobaba College of Engineering & Management, Nagpur.
4. Prof. Manish Moroliya has attended STTP on “Renewable Energy Sources” in 2015 held at Dr. Babasaheb Ambedkar college of Engineering & Research, Nagpur.
5. Prof. Manish Moroliya has attended Faculty development Program in 17 Jan 2016 held at NIT, Nagpur.
6. Prof. Manish Moroliya has attended STTP on “Industrial Exposure” in 9 Feb 2016 held at KEC International Limited, Butibori.

International Publication:

1. Prof. Ashvin Deogade has published paper on “Investigation of Effect of Non central Circular Holes of Stresses in Rotating Disc” in IJERA Issue:Sept 2012
2. Prof. Shrikant Thote & Prof. Kapil Pakhare published research paper on “Algae Fuel Technology Concept of Revolutionary Future” in IJAERD issue Aug-13.
3. Prof. Shrikant Thote published research paper on “An Approach to Find the Stresses Induced in Flat Belt During Half Rotation Of Driving Pulley” in IJITEE Jan 2013.
4. Prof. Siraj Sheikh published research paper on “Analysis of Universal Coupling Under Different Torque Condition” in IJESAT issue June 2012
5. Prof. Kapil Pakhare published research paper on “CAD& CAE in Biomedical Field” in IJRSET issue Aug 2013.
6. Prof. Yognandini Ramteke published research paper on “Biomechanical Approach for Force Analysis of Human Body” in IJRSET issue May 2013.
7. Prof. Sandeep Chouridar published research paper on “Minimization of Dross Formation During Continuous Galvanizing Process in Steel Industry” in IJETAE issue Jan 2012.
8. Prof. Sandeep Chouridar published research paper on “Simulation of Queuing Analysis in Hospital” in IJMERR issue July2013

9. Prof. Rajendra Bansod published research paper on “Surface Roughness Analysis of SS202 Stainless Steel by Electrochemical Polishing” in IJRSET issue May2013
10. Prof. Manish Moroliya published research paper on “Energy conservation of boiler feed pump by differential pressure auto scoop control method-A Review.” In ISRJ issue Nov. 2014.
11. Prof. Manish Moroliya published research paper on “Energy conservation of boiler feed pump by differential pressure auto scoop control method-Result Analysis.” In IJCET issue June. 2015.
12. Prof. Manish Moroliya published research paper on “Optimization of bed material consumption in a CFBC boiler.” In IJER issue Jan. 2015.
13. Prof. Manish Moroliya published research paper on “Installation of Off-Delay timer in a Earthmoving Machinerics.” In IJCET issue Apr. 2017.

National Conference:

1. Prof. Shrikant Thote presented research paper on “estimation of Belt Tension During 1 Rotation of Driving Pulley of Belt Drive” at National Conference on Allied Trends of Engg. For Development of Technological Aspects held at Dhamangaon College of Engg. In March 2012
2. Prof. Kapil Pakhare presented research paper on “Conventional & Renewable Energy Scenario of India: Present & Future” in National Conference on Recent Advances in Technology & Management for Integrated Growth Dec 2013 held at Gurunanak Institutions , Nagpur
3. Prof. Dinesh Parve presented research paper on “To Improve the Quality Of Service in Hospital by applying Servqual Model” at National Conference on Innovative Paradigms in Engg & Tech. held at S B Jain College , Nagpur on 17 Feb 2013.
4. Prof. Manish Moroliya presented research paper on “Design of Automated Rotary cage type fixture” in National Conference at All India Technical symposium-2014 J.D College of Engineering.
5. Prof. Manish Moroliya presented research paper on “Lubrication: The care of Gears” in National Conference at All India Technical symposium-2014 J.D College of Engineering.

Workshop:

1. Prof. Sandeep Chouridar attended workshop on Quality Management System conducted on 4th April 2009 at VNIT, Nagpur.
2. Prof. Sandeep Chouridar attended workshop on Advances in Thermal Engg. conducted at Datta Meghe Institute Of Engg .,Tech & Research, Wardha on 27th Feb 2013.

Poster Competition:

1. Prof. Yognandini Ramteke has participated in Poster presentation on Development of Strength Testing Machine for Artificial Ligaments at iNaccomm at IIT, Roorkee in Nov2013.

Achievements by Students

International Conference:

1. Ms. Namita Thangan presented research paper on “Investigation of Partical Flow Pattern In Fluidized Bed Using CFD Technique” in International conference on Advances in Civil, Structural & Mechanical Engg-CSM June,2014

2. Mr. Sagar Jane presented research paper on “Optimization of plastic Injection Moulding Process Parameters” in 3rd International Conference on Quality Upgradation In Engg Science & Technology organizes by BDCOE, Sevagram on 19th April 2014
4. Mr. Sandip Sorte presented research paper on “Static & Dynamic Stress Calculation Approach to Crank Pin” Held at Shri. Shankarprasad Agnihotri College Of Engg, Wardha in International Conference MANTHAN 2013.

International Publication:

1. Mr. Syed Mujahid Hussain has published research paper on “Rocker Arm: A Review” in IJRSET issue April 2013

National Conference:

1. Ms. Namita Thangan presented research paper at National Conference held at College of Engg & Tech, Akolaon 7th March 2014.

Awards:

1. Mr. Ankit Bobhate secured IInd rank in INDO-US Robo League which is world largest robot competition by Guinness Book of Records held on Jan 2014.
2. Mr. Ankit Bobhate participated in INDO-US Robo League conducted at IIT, Bombay in March 2014
3. Mr. Anil Aher secured IInd rank in INDO-US Robo League which is world largest robot competition by Guinness Book of Records held on Jan 2014.
4. Mr. Anil Aher attended workshop on AUTOBOTZ-AVR conducted by Technophilia Systems in association with robotics & computer application institute of USA on 30th & 31st Jan 2014
5. Mr. Anil Aher participated in INDO-US Robo League conducted by Technophilia Systems in association with robotics & computer application institute of USA held at IIT Bombay on 22nd & 23rd March 2014
6. Mr. Anil Aher participated in DST Inspire Science Camp conducted by International Institute of Information Technology, I2IT, Pune held from 22nd -26th April 2010.
7. Mr. Sushant Hatwar attended workshop on AUTOBOTZ-AVR conducted by Technophilia Systems in association with robotics & computer application institute of USA on 30th & 31st Jan 2014
8. Mr. Sushant Hatwar participated in Eyebotics during TECHFEST 2014 at IIT, Bombay.

Workshop:

1. Mr. Abhilash Iyer has participated in FUEL-14, A State Level Workshop on Advanced Automotive Technologies held on 22 Feb2014.
2. Ms. Shubhangi Dhattrak has participated in FUEL-14, A State Level Workshop on Advanced Automotive Technologies held on 22 Feb2014.

Training:

1. Mr. Abhilash Iyer has completed vocational training at NTPC, Korba, C.G. in May- June 2014.
2. Ms. Shubhangi Dhattrak has completed training on Solar Clan conducted at GHRCE, Nagpur From 8th to 9th Feb 2014.
3. Mr. Aakash Balbudhe has completed training on Solar Clan conducted at GHRCE, Nagpur From 8th to 9th Feb 2014.

Project Competition:

1. Mr. Mahendra Bag has participated in National Level Project Competition organized by SRPCOE, Nagpur on 8th March 2014.
2. Mr. Aditya Kawade has participated in National Level Project Competition organized by SRPCOE, Nagpur on 8th March 2014.

Paper Presentation:

1. Mr. Aditya Kawade has presented Technical Paper on “2 way motion Mechanism-Epicyclic gear Form” in ASCENT 2014, A national Level Technical Symposium organized by UCOE, Umrer on 6th March 2014.
2. Mr. Sagar Jane has presented Research Paper on “Optimization of Injection Moulding Process Parameters- A Review” in all India Seminar on Quality Progress 2014 organized by Institutions Of Engineers India.

Best innovation award 2014-2015



