



YANTRAGYAN

Gyan Ganga Institute of Technology and Sciences,
Jabalpur



From HODs Desk

Another exciting session is just about to begin and it's my pleasure to share with everyone the good news regarding the performance of Mechanical Engineering Department.

Our students' achievements is testimony of the effort and hard work put in by our students, the teachers who have structured and guided their learning, and our management who have done so much to support them.

In the coming academic session, students Mechanical Engineering Department can also look forward to a wider range of opportunities to stretch themselves beyond the classroom through greater participation in various events and competitions.

Editorial Team

Dr. Chandan Kumar
Prof. Pragyan Jain
Prof. Murali Krishna
Prof. Prof. S. V. H. Nagendra
Manthan Arya
Ganganpreet Bhatia
Aviral Chaturvedi
Anant Lal

Publications:

1. Shrikant Jain, 'Cold forging of rivet shape head from cylindrical porous aluminum specimen at different strain rates' ISSN:2250-0758
2. Anupam Jain, 'Power Quality Improvement By Statcom Of Hydro Power Generation System' ISSN :2348-4918
3. Amol Talankar, 'Demand Chain Management Implementation Challenges: An Interpretive Structural Modelling Approach' ISSN: 2277-8128
4. Shrikant Jain, 'Deformation characteristics of aluminium-copper composite preforms at different strain rates during cold forging' Int. J. Materials and Product Technology, Vol. 54, Nos. 1/2/3, 2017

Trainings organised by Department

1. CNC Turning, IGTR Indore, 17/6/16-22/06/16 (ME-II), 24/06/16-29/06/16 (ME- I)
2. C++ and Auto CAD Training for 2nd semester students

Students Achievements & Participation

1. Kavita Dubey won Chancellor's scholarship in 2nd year of B.E. in academic session 2015-16



Team "Gnosis" 15 student members of Mechanical Engineering SAE (India) participated in Eco-kart – 2016. The event was organised at B. M. L. Munjal university, Gudgaon.

The team battery operated kart was built by the team of students with various innovations. In their first attempt the team won the best design award worth Rs. 10,000/-. Management has provided financial assistance to the student in their endeavour.



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New technology is bringing opportunities along with new skill set requirements and challenges. Globalisation is bringing competitiveness in every domain. Engineers have to fit into requirements of companies that recruit across the globe. The Department of Mechanical Engineering is leading the way to meet challenges of future in equipping students with the skill set that is required in industry.

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Publications:

1. Pragyan Jain, 'Optimization and site selection for installation of low speed wind turbine in central india' ISSN:2348-4918
2. Pragyan Jain, 'Determining approximate carbon percentage of given material through reverse engineering' ISSN:2348-4919
3. Pragyan Jain, 'Wear and friction analysis of sintered metal powder self lubricating bush bearing' ISSN:2348-4920
4. Devkant varde, "Design Performance analysis of automobile radiator" in Accent Journal of Economics Ecology & Engineering, ISSN -2456-1037
5. S. V. H. Nagendra, "Numerical Analysis of Curvature effect on the heat Transfer of Wall Jet" FMFP 2016
6. Amol Talankar, 'Effectiveness Evaluation of Demand Chain Management: A Graph Theoretic Approach' ISSN: 2321-0468
3. of ECO-KART "Organized by SAE(2016) at B. M. L. Munjal University , Gurugram.
4. Yash Sharma, Yash Marcus, Siddhart Parajapti, Sourabh and Samarth Nema attended "Entrepreneurship Awareness Camp 2016 " under DST and National Entrepreneurship Institute India Chairman Mahakaushal Chamber of Commerce

Students Achievements & Participation

1. Aishwarya Dubey participated in Fashion show in SWEEP 2017 organised by MAWE- Madhya Pradesh Association of Women Entrepreneurs.
2. Team 'Gnosis' participated in Eco-Kart cleared "Virtual Round





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I feel ecstatic to introduce you to Department of Mechanical Engineering, which is the foundation of Engineers. Department of Mechanical Engineering strives for increasing the knowledge, enhancing the critical thinking, ability to change information into knowledge and power of analyzing the things technically of each and every individual of ever changing society through students.

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Publications:

1. T. K. Mishra, 'Investigation of wear behaviour of sintered tungsten carbide reinforced copper powder composite' ISSN -2214-7853
2. Anupam Jain, 'An Implementation Of Power Quality Improvement Using Statcom For Microhydro System' ISSN -2456-1037
3. Anupam Jain, 'A Review On Brown Grass Flower Broom Reinforced Composites For Environmental Engineering Applications' ISSN-2456-1037
4. Vivek Gedam, "Tensile and compressive behaviour of brown grass flower broom reinforced composites" ISSN 2456-1037
5. Vivek Gedam, "Flexural and Hardness behaviour of brown grass flower broom reinforced composites" ISSN:2348-4918.

Students Achievements & Participation

1. Vanshika Pandey, Mallika Shrivastava, Ankita Tiwari performed Solo Dance in GYANOTSAV 2017
2. Prathamesh Kumar Tiwari awarded Chancellor's Scholarship of Rs. 20000/- for academic excellence in First Year B.E.
3. Team 'Gnosis' participated in Eco-Kart won Best Design award of ECO-KART -2016 Organized by SAE(2016) at B. M. L. Munjal University , Gurugram
4. Team 'Gnosis' participated in "Mahindra Baja (2017) in Pithampur ,Indore

Expert's Lecture:

One day workshop on Six Sigma and Lean Manufacturing



One day workshop was organised by department on Six Sigma and Lean manufacturing for the students of UG and PG as well as for the faculty members of the department to explore the research avenues in this field. Dr. R. L. Shrivastav have delivered lectures in three sessions. The basics of Six Sigma and lean have been addressed in the first and second session. The third session was regarding the research avenues in the field of Six Sigma and Lean Manufacturing. The workshop was fruitful for the research scholars as well as PG students. He also pointed out the career opportunities in Six Sigma for UG students.

Chancellor's Scholarship

Kajal Singh won Chancellor's scholarship in 3rd year of B.E. in academic session 2016-17

Workshop attended by Faculty

Prof. Anupam Jain attended STTP on Solar Energy Application at MITS Gwalior, March, 1-11, 2017.

Prof. S. V. H. Nagendra and 9 other faculty members attended short term training program on 'Numerical Methods and Programming in MATLAB' at GGITS organized in association with IIITDM Jabalpur on January, 16-22, 2017

Prof. Anupam Jain and Prof. Vikas Sahu attended workshop on 'INTELLECTUAL PROPERTY RIGHTS (IPR)' at GGITS Jabalpur on February, 25-2017