

SCHOOL OF ENGINEERING & TECHNOLOGY

YANTRIKI



SHARDA
UNIVERSITY
Beyond Boundaries



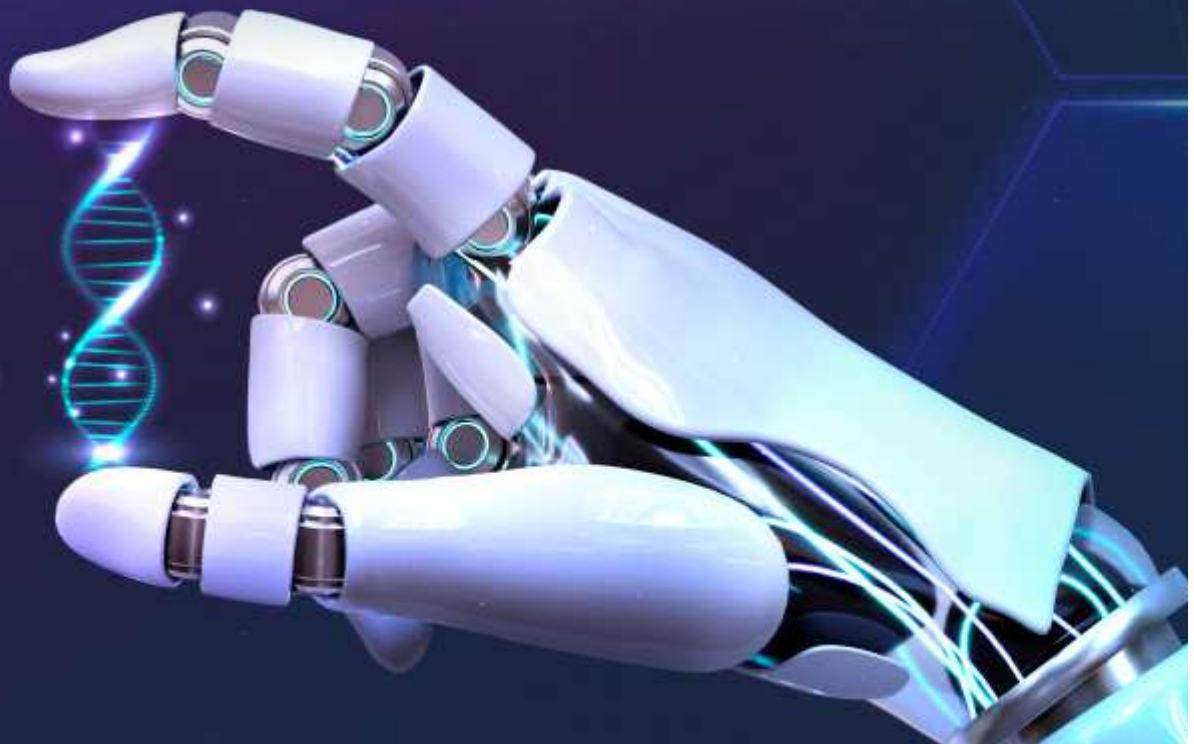
NEWSLETTER

ISSUE: JAN TO JUNE 2022

Department of Mechanical Engineering

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Vision & Mission of the Department of Mechanical Engineering

VISION ►

To be a centre of learning for preparing professional mechanical engineers, having passion for innovation, entrepreneurship and research, to provide a sustainable solution to the needs of the society

MISSION ►

- M1: To offer a curriculum that prepares students with knowledge, skills and ethical values for exploring professional practices.
- M2: To train students into global leaders through industry driven and research oriented teaching-learning pedagogy.
- M3: To groom students into globally competent professionals and entrepreneurs, who are sensitive to the issues of environment, energy, and emergent needs of the society.
- M4: To equip students with necessary skills to contribute innovatively in creating knowledge through higher learning.

Department Events

The Department of Mechanical Engineering, SET organized an Online Webinar on SIEMENS NX in association with MOU Partment Krishwave Engineering Solutions India Pvt. Ltd. On 28.01.2022. This event will aware the students and the other attendees about the Siemens NX software and how this flexible and powerful integrated solution will help them to deliver better products especially automotive body parts faster and more efficiently. NX delivers the next generation of design, simulation, and manufacturing solutions that enable companies to realize the value of the digital twin. Ms. Saigeeta Priyadarshini coordinated this event.

The Department of Mechanical Engineering, School of Engineering and Technology (SET), Sharda University, Greater Noida organized Second International Conference (Virtual/Physical) on Technological Innovations in Mechanical Engineering (TIME-2022) from 09 -10th February 2022.





Department of Mechanical Engineering

The Department of Mechanical Engineering organized an Expert talk on “the emerging landscape of EV Technologies in India - The Career opportunities for Students in EV Design & Development” on 11th April 2022. The objective of the event was to make the attendees aware about the current trends of EV in industries, the tools & technology used by major Topmost EV companies in India.



ASHRAE Chandigarh Chapter organized Online Webinar on concepts of HVAC for the students & faculty members of ASHRAE India chapters on 12-02-2022. Students of Mechanical Engineering attended this webinar.



ASHRAE Chandigarh Chapter organized online webinar on Installation & Commissioning of HVAC Systems for the students & faculty members of ASHRAE India chapters. Students of Mechanical Engineering attended this webinar.



The Department of Mechanical Engineering participated in Tech Expo and Pitch Day at Sharda University on 26-04-2022.





Department of Mechanical Engineering

Industrial Visit

The Department of Mechanical Engineering and Department of Electrical Electronics and Communication Engineering (EECE) organized an Industrial visit to the UDKAM PROCESS EQUIPMENT INDIA PVT LTD on 15.03.2022 Mr. C Mohan, Assistant Professor, EECE & Ms. Saigeeta Priyadarshini, Assistant Professor, ME accompany the students during the visit.



Department of Mechanical Engineering, School of Engineering and Technology is planning to organize an Industrial visit to Wave Industries Private Limited, Panni Nagar, Khurja Road, Near DAV Flyover, Bulandshahr on 30th March 2022.



Talk delivered on All India Radio by Faculty

Dr. Lavish Kumar Singh delivered a talk on All India Radio across the nation on the topic & धातु- कर्म विज्ञान: चुनौतियाँ एवं संभावनाएं & which was aired across the nation on 8 th April 2022.



Commencement of a new specialization From this academic year onwards, Department of Mechanical Engineering will be offering B. Tech. in Mechanical Engineering with specialization in Digital Manufacturing. The students will be introduced to modern systems, processes, modelling and simulation tools that creates an integrated approach to manufacturing, thereby shifting from traditional hardware-based methodologies to digital processes in the manufacturing industry. The content will be imparted to the students as a blend of holistic learning, experiential learning and peer-to-peer learning.

B.Tech. Mechanical Engineering with Specialization in

DIGITAL MANUFACTURING

PROGRAM HIGHLIGHTS

- This program is for individuals who are willing to change the landscape of current design and the manufacturing.
- This course content will be imparted to the students as a blend of holistic learning, experiential learning and peer-to-peer learning.
- This course is for those who are looking to broaden the way a product is manufactured across the globe and has also a part of students involved using systems like additive manufacturing, robotics, industrial IoT and embedded technology etc. to refer to it as production program- quality control program. It is a program etc.
- Students will be introduced to create a system, processes, modelling and simulation tools that creates an integrated approach to manufacturing thereby shifting from traditional hardware based methodologies to digital processes in the manufacturing industry.



Department of Mechanical Engineering

Workshop attended by Faculty

Dr. Himanshu Payal has participated in 1-day workshop on Electric Vehicle Infrastructure: Technologies & Opportunities organized by Centre of Excellence for Electric Vehicles and Related Technologies, Delhi Technical University, Delhi on 2 nd June 2022.

New HoD has resumed the office

Dr. Ananda Babu, Associate Professor has been given the charge of HoD, Department of Mechanical Engineering in the month of May. He can be reached at ananda.babu@sharda.ac.in.

We welcome a New Faculty

Dr. Kennedy S has joined us as Associate Professor in the Department of Mechanical Engineering in School of Engineering & Technology on 01st July 2022. Dr. Kennedy S has done his Ph. D. from National Institute of Technology, Tiruchirappalli in 2013 & Master of Technology in Materials Engineering from National Institute of Technology, Tiruchirappalli in 2009. He has a rich experience of more than 15+ years. Prior to joining Sharda University he was associated with Galgotias University as Professor. He can be reached at kennedy.s@sharda.ac.in. We welcome him to our family.

TOP PLACEMENTS

 Binita Thapa Magar Evel Engineering and Supplies Pvt. Ltd. Package: Rs. 10.13 LPA	 Kanishk Intelligent Software solution PVT.LTD. Package: Rs. 9.1 PA	 Harikishan Rajput Amdal Steel Package: Rs. 8.1 PA	 Gurpal Singh Planet spark, Wipro Automation Learning Package: Rs. 7.1 LPA
 Dipanshu Shrimali NTN Bearing Package: Rs. 8.1 LPA	 Tanmay Tyagi Steel Oliver Roller Industries Package: Rs. 8.5 LPA	 Piyush Kanoujia Somilka Tractors Package: Rs. 9 LPA	



Title of Paper	Name of Author/s	Name of Journal
Numerical and experimental investigation of first ply failure response of multi-walled carbon nanotubes/epoxy/glass fiber hybrid laminated tapered curved composite panels	Ananda Babu Arumugam and Lavish Kumar Singh	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science
Influence of MWCNT Fillers on the Elastic Properties of GFRP Hybrid Honeycomb Core: Numerical Study with Experimental Verification	Ananda Babu Arumugam, Sushila Chowdhary, Mesfin Kebede Kassa, Abhishek Shinde and Tilak Rana	Fibers and Polymers
Prediction of influences of size and locations of delamination on dynamic characteristics of laminated composite plate using particle swarm optimization and artificial neural network	Ananda Babu Arumugam and Anbumani P	Polymer Composites
Multi-response optimization in machining Ti6Al4V using graphene dispersed emulsifier oil	B. Kamesh	International Journal of Machining and Machinability of Materials
Tribological Performance Assessment of Porous Copper-Based Composite under Dry and Lubricated Conditions	Sudesh Singh	Journal of Materials Engineering and Performance
Bending Response Analysis Of A Laminated, Tapered, Curved, Composite Panel Made From An Agglomerated And Wavy MWCNT-Glass Fiber-Polymer Hybrid	Ananda Babu Arumugam and Lavish Kumar Singh	Transactions of the Canadian Society for Mechanical Engineering
Influence Of Multi-Walled Carbon Nanotubes Reinforced Honeycomb Core On Vibration And Damping Responses Of Carbon Fiber Composite Sandwich Shell Structures	Ananda Babu Arumugam, Lavish Kumar Singh and Nitesh Kumar	Polymer Composites
Parametric effect and taguchi optimization of cryogenic treatment of strenx steel	Lavish Kumar Singh	Materials Today: Proceedings
Stir casting technology for magnesium- based metal matrix composites for bio- implants- a review	Lavish Kumar Singh	Materials Today: Proceedings
Tribological Performance Assessment of Porous Copper-Based Composite under Dry and Lubricated Conditions	Hemant Nautiyal, Rajnesh Tyagi, Pooja Verma, Sudesh Singh, R.S. Walia, and Om P. Khatri	Journal of Materials Engineering and Performance
Influence Of Multi-Walled Carbon Nanotubes Reinforced Honeycomb Core On Vibration And Damping Responses Of Carbon Fiber Composite Sandwich Shell Structures	Ananda Babu Arumugam	Polymer Composites



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EDITORIAL TEAM MEMBERS

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SUSET, Assistant Professor, ME Department

Dr. Akanksha Mishra

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Ms. Sanya Gupta

Student, ME Department

Mr. Shaun Joshi

Student, ME Department

About the Sharda University

Sharda University is a leading Educational institution based out of Greater Noida, Delhi NCR. A venture of the renowned ShardaGroup of Institutions (SGI), The University has established itself as a high quality education provider with prime focus on holistic learning and imbining competitiveabilities in students. The University is approved by UGC and prides itself in being the only multi-discipline campus in the NCR, spread over 63 acres and equipped with world class facilities. Sharda University promises to become one of the India's leading universities with an acknowledged reputation for excellence in research and teaching. With its outstanding faculty, world classteaching standards, and innovative academicprograms, Sharda intends to set a new benchmark in the Indianeducation system.

About the Department

This has been the motto of Mechanical Engineering Department of Sharda University right since its inception. By choosing this department, one will join a dynamic community where he/she will be challenged and supported to achieve one's goals. One will learn how to take a product from initial concept, to design and manufacture. A degree in Mechanical Engineering will pitchfork the student on the path to learn about mechanical design, structures, and materials, then select specialist topics to study. Project work throughout the degree provides the opportunity to apply one's design skills to real-world problems.



Sharda University

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