

SCHOOL OF ENGINEERING & TECHNOLOGY

YANTRIKI



SHARDA
UNIVERSITY
Beyond Boundaries



NEWSLETTER

ISSUE: JANUARY TO JUNE 2021

YANTRIKI

SCHOOL OF ENGINEERING AND TECHNOLOGY

Department of Mechanical Engineering





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 in to global leaders through industry driven and research oriented teaching- learning pedagogy.

M3: To groom students into 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.

Attended Conference/Seminar/Workshop/Short Term Training

Mr. Nitesh Kumar- Short Term Training Program on Electric Vehicle: Technologies, Challenges and Opportunities for Integration of Renewable resources in India- organised by R.M.K. Engineering College- during 07.12.2020 to 12.12.2020.

Mr. Nitesh Kumar- NAAC Sponsored One Day Online National Level Conference on Revised Assessment and Accreditation Framework of NAAC: An Approach- organised by Internal Quality Assurance Cell (IQAC) of Smt. Sushila Devi Deshmukh Senior College, Latur- on 16th January, 2021.





Memorandum of Understanding (MOU)

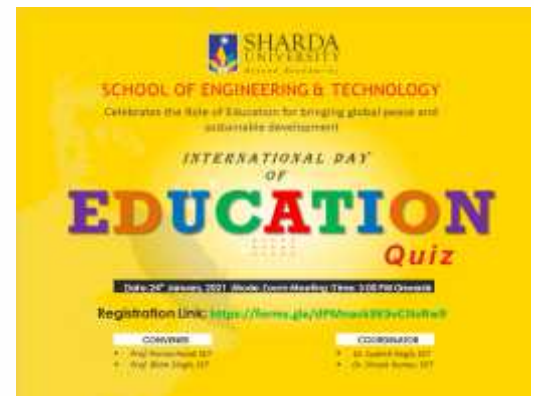
An MoU was signed between Sharda University, Greater Noida (Uttar Pradesh) and Advance Valves Pvt. Ltd, a manufacturer of quality valves.

Scope of Work: CFD analysis / Structural Analysis / Numerical Analysis & Studies



Department Events

Department of Mechanical Engineering, Sharda School of Engineering & Technology organized a Quiz on International Day of Education, 24th January 2021. The world celebrates International Day of Education on January 24 every year. It is an annual International Observance Day, which is dedicated to education.



The Department of Mechanical Engineering, SSET organized a **Webinar on 0“Gender, Development, and Migration: A Situational Analysis of the Triangle”** by Dr. Pankaj Das, Assistant Professor, SOE, Sharda University on 26th March 2021. This event was coordinated by Dr. Lavish Kumar Singh & Ms. Saigeeta Priyadarshini.

The primary objective of the event is to make the students aware about social issues like gender inequality and migration. The lecture will highlight the importance of gender and migration in a nation’s development.



The Department of Mechanical Engineering, SSET organized a Webinar on **“The Role of NSS in the life learning process of Engineers”** by Dr. K.K. Pandey, Coordinator, National Service Scheme (NSS) Cell, Sharda University on 26th March 2021. This event was coordinated by Dr. Lavish Kumar Singh & Ms. Saigeeta Priyadarshini.

The primary objective of the event is to make the students aware about benefits of joining National Service Scheme (NSS) Cell, its history and its contribution towards a society’s development.

The Department of Mechanical Engineering, School of Engineering and Technology (SSET), Sharda University, Greater Noida organized its first International Conference (Virtual) on Tehnological Innovations In Mechanical Engineering (TIME 2021) from April 16-17, 2021.



The Department of Mechanical Engineering, SSET organized an event on Tree plantation drive on 28th June 2021. This event was coordinated by Dr. Lavish Kumar Singh & Ms. Saigeeta Priyadarshini.





Department of Mechanical Engineering, Sharda School of Engineering and Technology (SSET), Sharda University, Greater Noida organized a FACULTY DEVELOPMENT PROGRAM (VIRTUAL) on EMERGING TRENDS IN MECHANICAL ENGINEERING (ETME) from June 21, 2021, to June 26, 2021.



The Department of Mechanical Engineering, SSET organized a competition on Poetry writing (English or Hindi) addressing any social issue (viz. poverty, illiteracy, mental health, gender discrimination etc.) prevalent in the society from 19th to 28th June 2021. event was coordinated by Dr. Lavish Kumar Singh & Ms. Saigeeta Priyadarshini.



ASHRAE Chandigarh Chapter organized Online Webinar on current trends in room air distribution for the students & faculty members of ASHRAE India chapters on 10-04-2021.



ISHRAE organized Online Webinar on Installation & Commissioning of HVAC Systems for the students & faculty members of ASHRAE India chapters on 05-05-2021.





RESEARCH PUBLICATIONS

- 1- Understanding the effect of bimodal microstructure on the strength–ductility synergy of Al–CNT nanocomposites by Dr. Lavish Kumar Singh in Journal of Materials Science (Q1, IF: 3.6)
- A method for shifting of cattle dung based biogas digester for enhanced anaerobic co-digestion of cattle dung with leaf litter of neem by Dr. Himanshu Payal in Biomass Conversion and Biorefinery (IF: 2.6)
- Evaluating critical factors to implement sustainable oriented innovation practices: An analysis of micro, small, and medium manufacturing enterprises by Dr. Bisma Mannan in Journal of Cleaner Production (IF: 7.3)
- Now is the time to press the reset button: Helping India’s companies to become more resilient and effective in overcoming the impacts of COVID-19, climate changes and other crises by Dr. Bisma Mannan in Journal of Cleaner Production (IF: 7.3)
- Industry 4.0 Implementation Challenges in Manufacturing Industries: An Interpretive Structural Modelling Approach by Dr. Vineet Kumar in Procedia Computer Science.

Top Placement Batch 2020-2021 Passout

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SHARDA SCHOOL OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
TOP PLACEMENT (BATCH: 2020-21)

 Garpat Singh Planet Spark Package: Rs. 7.1 LPA	 Saqlain Ajaiz Danish Bharat Electronics Limited Package: Rs. 3.6 LPA	 Pankaj Singh Cap Innovative Pvt Ltd Package: Rs. 3.6 LPA	 Jatin Malhotra Cornti Electros Pvt Ltd Package: Rs. 3.6 LPA
 Rashir Hignani Cornti Electros Pvt Ltd Package: Rs. 3.6 LPA	 Kin. Kajal Cap Innovative Pvt Ltd Package: Rs. 3.6 LPA	 Shyam Kumar Jasper Cable Research Package: Rs. 3.38 LPA	 Rishi Sharma Jasper Cable Research Package: Rs. 3.38 LPA
 Soumenou Dutta Logikins Solutions Pvt. Ltd. Package: Rs. 3.12 LPA	 Vishk Tiwari Industries Ltd Package: Rs. 3 LPA	 Achinnya Shantaram Additvark Technologies Package: Rs. 3 LPA	 Abhinav Adhikari Bansu Electrical Industries Package: Rs. 3 LPA



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Department of Mechanical Engineering

EDITORIAL TEAM MEMBERS

Dr. Lavish K. Singh, SUSET, Assistant Professor, ME Department

Dr. Akanksha Mishra, SUSET, Assistant Professor, ME Department

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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