

DEPARTMENT OF MECHANICAL ENGINEERING NEWS LETTER, Volume 3 Issue 1- Jul to Dec 2020



**DON BOSCO INSTITUTE OF TECHNOLOGY,
MYSORE ROAD, BENGALURU - 560074**

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About department

Mechanical Engineering is one of the most diverse and primitive branch of engineering. It remained always in demand and continue to be so in future. Hence it is evergreen branch. Mechanical Engineering finds application in all fields of technology, the need of mechanical engineers has increased exponentially over the decades. It involves design, manufacturing, maintenance of machines and mechanical systems. Besides this, Mechanical Engineering touches virtually every aspect of modern life and Mechanical Engineers has tremendous scope in automobile, Aerospace, Steel Industries, Power sector, Biotechnology, Manufacturing plants, petroleum, Marine Industry and Cement Industry etc. Opportunities exist worldwide for Mechanical Engineers and pay package is highly attractive.

Vision

The Department intends to be a centre of excellence through its competence in educating the aspirants in the various streams of Mechanical Engineering, to transform them into successful and socially responsible engineering professionals.

Mission

1. To impart knowledge that builds strong foundations in basic principles and applications of engineering
2. To provide an environment for self-learning, add on courses, and hands-on training on advanced technologies to meet the global challenges.
3. To inculcate innovative thinking, team spirit, and leadership qualities.
4. To instill professional ethics with a strong concern for the environment and society



Semester Topper List



4th Sem,
SACHIN NATH P M,
1DB18ME051
SGPA: 9.92



6th Sem,
RAVEENDRA J
1DB16ME098
SGPA: 8.73

Department Forum



The MESA (Mechanical Engineering Student Association) conducts technical talk, guest lecturer, quiz competition, Project exhibition, cultural activities and encouraging students to participate in different competitions to enrich the student academic and professional competitiveness.

EVENTS ORGANISED

Faculty Development Programme



Faculty Development Programme on Alternate Fuel from 21/09/2020 to 25/09/2020

The inauguration was held on 21st September 2020 online at 11:00 am. Chief Guest of the program was Prof. Anil Sahasrabudhe (Chairman, AICTE), Guest of Honour of the function were Prof. Rajive Kumar (Member Secretary, AICTE) . Prof Ravindra Kumar Soni (Director ATAL) and Coordinator chaired the function. Also, Directors of different academies, and AICTE official were also present with the participants.

Director ATAL, Prof. Ravindra Soni addressed the participants about online FDP and various initiatives by ATAL Academy. Responsibility in technical education. Prof. Poonia Sir, discussed about various AICTE initiatives. In the addresses of Chairman Sir,

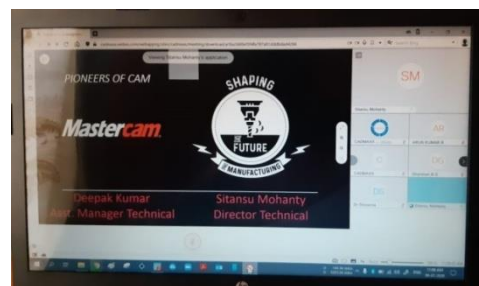
he talked about various initiatives in pandemic times by AICTE. Dr. Pooja Jain, Coordinator proposed the Vote of Thanks.

Webinar



Webinar on “ Importance of Intellectual Property Rights in Mechanical Engineering” by Prof. Santosh M N, Assistant Professor, Department of ECE, & Chief Coordinator, IPR Cell, DBIT, Bangalore, held on 2nd December 2020.

This webinar briefed the students about importance of patent, trademark & copyright to realize the ideas developed by Inventors, designers, developers and authors.



Webinar on “Mastercam for Education” by Mr. Sitansu Mohanty, Technical Director, Mastercam, India, held on July 09, 2020.

This Webinar Gives wide information to Understand CAD/CAM software designed for both machinists and engineer, also helps students to write sequential program of machine control instructions such as G-code and M-code

FDP, Conference, Seminar and workshop attended

Dr. Shivanna has attended online FDP on "Implementation of emerging waste -to- Energy Technologies" held in ATAL, New Delhi, from 15-11-2021 to 19-11-2021.

Doctorate Degree

Prof. Ranganath S R, Assistant Professor has been awarded Doctorate Degree from Bangalore University for his for his research works in the field of Composite Material Titled "Evaluation of Mechanical & Tribological Properties of Boron Carbide Particulates and short Basalt Fiber reinforced Al2014 Based Hybrid Composite" on 20-November-2020.

Funds Granted

The fund of amount Rs. 93,000/- sanctioned to conduct Online ATAL Programme on 9 thrust areas and other emerging areas from AICTE, New Delhi to Dr. Arun Magadam on 11-Sep-2020.

Faculty Journal publication

Prof. Ranganath S R , has presented research paper titled "Fatigue Behavior of B4C Copper coated short Basalt Fiber Reinforced Al2014 Based Hybrid Composite" , in International Conference ICTMES 2020 on 6th Aug 2020.