

DEPARTMENT OF MECHANICAL ENGINEERING NEWS LETTER, Volume 4 Issue 1 - Jul to Dec 2021



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

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CHIEF EDITOR**

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ADVISOR EDITORS**

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 Toppers



4th Sem,
Vinaykumar K G,
1DB19ME028
SGPA: 9.04



6th sem,
Sanraab dutta,
1DB18ME054
SGPA: 9



6th sem,
Sachin Nath P M,
1DB18ME051
SGPA:9



6th Sem,
Abhijit Narayan
Yadravakar,
1DB18ME002
SGPA:9



6th Sem,
Deekshith P
1DB18ME017
SGPA: 9



6th Sem,
Vijay Y
1DB18ME070
SGPA: 9



8th Sem,
Pavan H Bharadwaj,
1DB17ME090
SGPA: 9.85

ACADEMIC RESULTS OF 2020 -21 Batch

Appeared	Passed	FCD	FC	SC	% Pass
164	158	101	57	0	96

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.

Mechanical Engineering Department Centre of Excellence

The Department is known for its outstanding laboratories of technological excellence - KUKA Training Centre with Basic Robotic Programming and SIMPRO Software, Siemens PLM Training Centre.

Kuka Robotics Training Centre



Robotics has the potential to positively transform lives and work practices, raise efficiency and safety levels, and provide

enhanced levels of service. In this centre, students will undergo intensive certification training in the field of Robotics/Automation using the proprietary software SIMPRO.

This centre can impart training for students of Mechanical, Civil, Electrical, Electronics, Computer Science and Information Science that can help them in securing a better placement and advancement in their careers

DBIT-SiemensPLM TrainingCentre

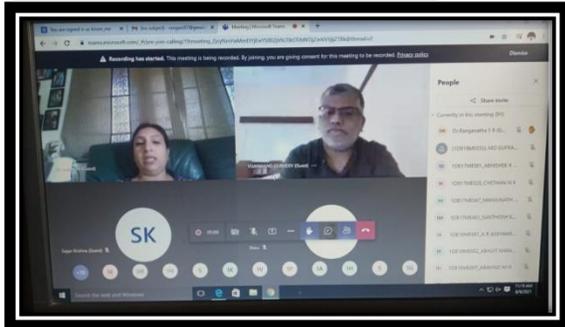


Product Life Cycle Management addresses the full life cycles of products, from conception until disposal. The most important starting point for PLM is the launch of the new concept above traditional cost-quality. PLM includes products of all the engineering, manufacturing, maintenance of information, and digital media store. PLM starts with the creation of a product and finishes with the re-transformation of a product. Also, this system can offer products to suit different user profiles.

In this centre, students will undergo intensive certification short term training program on Unigraphics (NX 9.0).

EVENTS ORGANISED

Value added Program



Value added Program on Opportunities and Expectations from Mechanical Engineering in the Industry by Dr.Suashini Ramaswamy, Founder & CEO, Rareminds Pvt ltd held from 9th to 11th august, 2021.

This value added program enriches the participants engineering knowledge, critical thinking, creativity, and problem solving skills with integrity and inclusivity in professional engineering practice or in non-engineering fields, such as law, medicine, or business. Also embrace leadership and collaborative roles in their careers.

Expert Talk



Industrial Expert Talk on Industry 4.0 : Buzz to Reality by Mr.Subhash P Functional Head Bosch Automotive Electronics India Pvt. Ltd. Bangalore held on 23-10-2021

Add On Course



Add On Course on Exposure of CAD/CAM/CAE for better Product Design & JEEP Design using Solidworks by Mr. K R Santhosh Kumar, Manager-Business Support & Mr. Hemanth Kumar ,CAD Engineer CADD centre Training Services Pvt. Ltd. Bangalore held on 15-11-2021.

Alumni Talk



Alumni Talk by Sumanth, GIS Analyst from BELLISSIMO VENTURES PVT LTD (2017 batch alumni)

Guest lecture



One day Guest lecture on career opportunity in python programming for mechanical engineers by Dr. Bharath V G, Associate professor, Department of mechanical school of Engineering & Technology, CMR University, Bangalore, held on 03-07-2021

Webinar



Webinar on Idea for startups and business opportunities for new entrepreneurs by Mr. Murulidhar K S Founder Director for Quantum TechniQ pvt. ltd, held on 22.07.2021.

This webinar provides the ideas, new technology/ knowledge/ innovation based startups to provide a platform for speedy commercialization of technology developed for new entrepreneurs and also to develop a vibrant startup ecosystem by establishing a network between academia, financial institutions, industries, and other institutes.

Social Activity



AICTE Activity Point Programme held from 20-09-2021 to 26-09-2021, Organized by: Department of Mechanical Engineering for 5th Semester Students, Place : Madapatna, Tavarekere Hobli, Bangalore Rural.

The programme conducted under AICTE activity point was Swachh Bharath abhiyan Programme. The Swachh Bharath abhiyan is the great start to make India cleaner and greener. If all the citizens could come together and participate in this drive India will soon flourish in all aspects. The objectives of this programme is to make people aware of Cleanliness, health and education through awareness programme and teach citizen to dispose of all kinds of waste mindfully.

FDP, Conference, Seminar and workshop attended

1. 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.
2. Prof. Kishore has attended online FDP on " 3D Printing and Design " held in ATAL, New Delhi, from 06-12-2021 to 10-12-2021.
3. Prof. Kiran Kumar has attended online FDP on " Advanced Industrial Automation " held in ATAL, New Delhi, from 06-12-2021 to 10-12-2021.
4. Prof. Rajeev H S has attended online FDP on " Alternative Fuel " held in ATAL, New Delhi, from 22-11-2021 to 26-11-2021.
5. Prof. Dharshan B G has attended online FDP on " Electric and Highbrid Vehicle " held in ATAL, New Delhi, from 27-12-2021 to 31-12-2021.
6. Prof. Manjunath M V has attended online FDP on " Current Field Practices for Energy and utility Systems " held in ATAL, New Delhi, from 6-12-2021 to 10-12-2021.
7. Prof. Somashekar R has attended online FDP on " Smart Manufacturing Through Digital Manufacturing " held in ATAL, New Delhi, from 22-11-2021 to 26-11-2021.
8. Dr. Ranganath SR, has attended online FDP on " Recent Advances in Composite and Nano- Materials " held in ATAL, New Delhi, from 13-12-2021 to 17-11-2021.
9. Dr. K C Anantha Padmanabham , has attended online FDP on " Alternative Fuel " held in ATAL, New Delhi, from 22-11-2021 to 26-11-2021.
10. Dr. K C Anantha Padmanabham , has attended online FDP on " Vibration & Condition Monitoring " held in Vasavi College of Engg., Hydrabad, from 20-09-2021 to 24-09-2021.

Doctorate Degree

1. Prof. K C Anantha Padmanabham, Associate Professor has been awarded Doctorate Degree from VTU for his research works in the field of Composite Material Titled " Development and Characterization of Al-Cu reinforced with Zircon sand graphite Hybrid Composites" on 31-March-2021.

Funds Granted

1. The fund of amount Rs. 5,000/- sanctioned from VTU to carry out the final year B E project to Prof. Dharshan B G.
2. The fund of amount Rs. 5,000/- sanctioned from VTU to carry out the final year B E project to Dr. Arun Magadam.