



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

Prof. Somashekar R
CHIEF EDITOR

Dr. Shivanna & Prof. Dharshan B G
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



Semester Topper List



3rd Sem,
Sachin Nath P M,
1DB18ME051,
SGPA: 9.92



5th Sem,
Durga Prasad R,
1DB17ME038,
SGPA: 9.07

ACADEMIC RESULTS OF 2018 -19 Batch

Appeared	Passed	Pass %
178	171	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.

EVENTS ORGANISED

Webinar



Webinar on “Career Opportunities in Manufacturing Industries” by Mr. Rajashehar H. V., Advisor, IMTMA, Bengaluru, held on June 04, 2020

Department of Mechanical Engineering organised a webinar on Career Opportunities

in Manufacturing Industries in association with IMTMA, Bengaluru. The event was presided by Principal Hemadri Naidu T. and Head of Department, Dr Shivanna who began the proceedings by welcoming IMTMA resource persons.

The event was useful to the students in understanding Engineering Drawing, Review of machining operations and metrology, Limit, Fits, Tolerances and surface roughness symbols, Geometric Dimensioning and Tolerance (GD&T). Develop and optimize NC Programmes for CNC Turning and Machining Centres.



Webinar on “Opportunities and Preparedness of Engineers for Mechanical Engineering Industries” by Mr. Rajesh Deshilinge Gowda, Founder and Director – COPES Tech India Pvt Ltd, Bengaluru, held on June 06, 2020

Department of Mechanical Engineering organized a webinar on Opportunities and Preparedness of Engineers for Mechanical Engineering Industries in association with COPEs, Bengaluru. The event was presided by Principal Hemadri Naidu T. and Head of Department, Dr Shivanna who began the proceedings by welcoming COPEs resource persons.

This webinar throws a light on many young graduates who seek to start a career in this Aerospace & Automobile industry. The feedback received from the participants has been very encouraging and has motivated us to plan many more such webinars.

Social Activity



World Environment Day 2020 Celebration on 05.06.2020 in DBIT Campus, Bengaluru.

World Environment Day (WED) is celebrated annually on 5 June and is the United Nations mission for encouraging awareness and action for the protection of

the environment, global warming and sustainable consumption

FDP, Conference, Seminar and workshop attended

1. K C Anantha Padmanabham, has attended online Webinar, Machine Learning DBIT, Bangalore National 30-May-20.
2. K C Anantha Padmanabham, has attended online Webinar, Intellectual Property Rights DBIT, Bengaluru. National 20-May-20.
3. Chandana N C, has attended online Webinar “Evaluation of machine learning and deep learning” Don Bosco Institute of Technology Bangalore National 30-May-20.
4. Somashekar R, has attended online Webinar, “Carrier opportunities in manufacturing Industries” Don Bosco Institute of Technology National 4-Jun-20.
5. Ranganatha S has attended online RFDP Intellectual Property Rights and Innovations EWIT, Bangalore-560091 National 23-Jun-20 to 27-Jun-20.
6. SRIRANGA B K has attended online FDP Advancement In The Field of Mechanical Engineering National Institute Of Technology National 23-Jun-20 to 27-Jun-20.
7. Sriranga B K has attended online FDP Intellectual Property Rights & Innovations East West Institute of Technology National 23-Jun-20 to 27-Jun-20.
8. Sriranga B K FDP Composite Materials and its Characterizations has attended online Acharya Institute of Technology National 22-Jun-20 to 26-Jun-20.
9. K C Anantha Padmanabham FDP Advances in Machining Process PES

Institute of Technology and Mangement
National 17-Jun-20 to 19-Jun-20

10. Sriranga B K has attended online FDP Post Covid 19 Challenges In Science & Technology Jain University National 15-Jun-20 to 19-Jun-20.
11. Sriranga B K has attended online FDP Advances In Manufacturing Process Shivamogga National 5-Jun-20 to 7-Jun-20.
12. Dharshan B G has attended online FDP Emerging Engineering Materials Bellary Institute of Technology National 1-Jun-20 to 05-Jun-20.
13. Ranganatha S R, has attended online FDP, Advancement In Additive Manufacturing CMRIT, Bangalore National 1-Jul-19 to 14-Jul-19
14. SomaShekar R has attended online FDP Entrepreneurship on Academician Jyothi Institute of Technology, Bangalore National 15-Jun-19 to 17-Jun-19
15. Dr. Shivanna, has attended online Conference National conference on Recent Trends in Science, Engineering & Management AIT, Bangalore National 07-08, June 2019.

Doctorate Degree

1. Hemanth Raju T (1DB11PMM01) has been awarded Doctorate Degree for his research in the field of composite material titled "Development Wear analysis of aluminium 6061 alloy-zircon particulate composite using taguchi method" from VTU recognized DBIT Research Center guided by Dr. V S Ramamurthy in the year 8th feb2020.
2. Siddesh Naik (1DB13PMN02) has been awarded Doctorate Degree for his research in the field of composite material titled "Mechanical characterization of sisal fibre reinforced Bio-polymer composites" from VTU recognized DBIT Research Center guided by Dr. S S Prabhakara in the year 4/06/2020.

3. Vidyadhar Pujar (1DB13PMN01) has been awarded Doctorate Degree for his research in the field of composite material titled "Development and Characterization of artificial aged A12218 Boron Carbide nano composite in improving the mechanical and tribological properties for the high temperature applications" from VTU recognized DBIT Research Center guided by Dr. Srinivas H K in the year 2020.

Funds Granted

1. The fund of amount Rs. 7000/- sanctioned from KSTSC to carry out the final year B E project Pro. Ranganatha S R on 16th March 2020
2. The fund of amount Rs. 5000/- sanctioned from VTU to carry out the final year B E project to B S Kanthraju.
3. The fund of amount Rs. 5000/- sanctioned from VTU to carry out the final year B E project to K V Suresh.

Faculty Journal publication

1. Ranganatha S R has published journal on "Effect of heat treatment on wear behavior of aluminium based hybrid composites under dry sliding motion" in Journal of Emerging Technologies and Innovativ Research International June 2019, 5.87ISSN-2349-5162.
2. Sriranga B K has published journal on "Mechanical characterization of hybrid laminates composites on epoxy resin with natural jute fiber and s-glass fibers" International Journal of Engineering Applied Sciences and Technology, International November 2019, July20194.928, ISSNNo. 2455-2143.
3. Prof. Ranganath S R , has presented research paper titled " Effect of heat treatment on corrosion behaviour of

AI2014 Based Hybrid for marine applications" , in International Conference ICRTST 2020 on 17th Jun 2020.

4. Prof. Arun Magadum , has published research paper titled " Analysis of Various Combustion Chamber Geometry of a C.I Engine Using CFD" , in International Journal IJARMET Vol 4, Issue-4, 2020.
5. Prof. Arun Magadum , has published research paper titled " The Performance And Emission Of Ic Engine Using Waste Cooking Oil As Bio diese" , in International Journal IJARMET Vol. 4, Issue-4, 2020.
6. Prof. Arun Magadum , has published research paper titled " The Performance And Emission Of Ic Engine Using Neem Oil As Biodiesel" , in International Journal IJARMET Vol 4, Issue-4, 2020.