

DEPARTMENT OF MECHANICAL ENGINEERING NEWS LETTER, Volume 1 Issue 1- Jul to Dec 2018



**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



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.

University Rank Holders



Tejashwini K Secured VTU 3rd Rank in M.Tech Design Engineering (81.6%) for the Academic year 2015-16



Yatheesha H C Secured VTU 5th Rank in BE Mechanical Engineering (83.94%) for the Academic Year 2016-17

EVENTS ORGANISED

Faculty Development Programme



Faculty Development Programme on Digital publications on 03-11-2018

The resource person elaborately discussed and presented many aspects of digital publications.

Seminar



Advance Training Programme and Skill Sets Required for Industries seminar conducted on 10-11-2018.

The training programme highlights the skill set required to become successful DESIGN engineer in mechanical industries, specifically about GDNT, PROE, CATIA, Ansys, CFD .





Technical seminar on Emerging Mechanical software's and Required Skill Development in industries on 26-10 -2018.

This Technical Seminar gives broad information about what industry expecting and how student to be competent for present industry requirement, latest industry technologies such as Industry 4.0, AR, VR, and 3-D Printing, CFD analysis, Hyper mesh and different industry tools and skill development required for the present industry.

Student Achievement



Mechanical engineering student Gokul S has participated in All India Inter University Soft Ball(Men) tournament held at SRTM University for the academic year 2018-19

FDP, Conference, Seminar and workshop attended

1. Dr. Shivanna has attended Workshop on " I C Engines" held in DBIT, Bangalore, from 22-10-2018 to 23-10-2018.
2. Prof. Kiran Kumar K M has attended Workshop on " I C Engines" held in DBIT, Bangalore, from 22-10-2018 to 23-10-2018.

3. Prof. Rajeev H S has attended FDP on " Digital Publications held in DBIT on 03-11-2018.

4. Prof. Amith A has attended FDP on " Fundamental of materials science for research scholars held in Ramaiah Institute from 30-07-2018 to 04-08-2018.

5. Prof. K. C. Anantha padmanabham has attended FDP on " Futuristic materials and their applications" in RNSIT, Bangalore from 25-07-2018 to 25-07-2018.

Doctorate Degree

1. Shivanna (1DB11PMM02) has been awarded Doctorate Degree for his research in the field of Composite material titled "Development and evaluation of Mechanical Properties of Al356 Alloy/Zirconium Silicate($ZrSiO_4$) Particulate composites for automobile applications" from VTU recognized DBIT Research Center guided by Dr. V S Ramamurthy in the year 2018.
2. Srinivas K (1DB08PMN08) has been awarded Doctorate Degree for his research in the field of composite material titled "Studies on electrical/Thermal and Tribological properties of filled epoxy Hybrid Composites " from VTU recognized DBIT Research Center guided by Dr. M S Bhagyashekar in the year 2018.

Faculty Journal publication

1. Prof. Arun Magadam , has published research paper titled " Performance and Emission Characteristics of Mahua Biodiesel in Four Stroke Single Cylinder Diesel Engine", in International Journal European Modern Studies Journal, Vol.2 Issue-3, 2018

2. Prof. Arun Magadum , has published research paper titled " Performance and Emission characteristics of IC engine using modified coated Piston Head", in International Journal of Engineering & Technology, Vol.7 Issue-2, 2018.
3. Prof. Arun Magadum , has published research paper titled " Performance and Emission of a VCR Engine Using Mahua Oil as Bio-diesel", in International Journal of Chemical Engineering Transactions, Vol. 65, 2018.
4. Prof. Sriranga B K has published research paper titled "A study on mechanical properties of aluminium-4.5% copper alloy metal matrix composites reinforced with alumina fibers using squeeze casting process" in Journal of Polymer & Composites, Volume 6, Issue 1, June 2018.