Muthoot Institute of Technology & Science

DEPARTMENT OF MECHANICAL ENGINEERING

# FREEFALL

## NEWSLETTER

December 2022

Muthoot Institute of Technology & Science

## DEPARTMENT PROFILE

The Department currently offers an undergraduate program (B.Tech) in Mechanical Engineering. The present intake is 60. We provide state of the art facilities both in the classrooms as well as in the laboratories. The department has a team of well qualified, experienced and committed staff members. It provides an atmosphere conducive for acquiring knowledge and emphasizes on practical learning. The department motivates both cultural and physical activities. body text

## VISION

Excellence in Mechanical Engineering education and research through value based knowledge integration

## MISSION

- To provide students state-of-the-art academic ambience for quality education
- To educate and mentor students on professional responsibilities, ethical values and life-long learning
- Facilitate inter-disciplinary learning and industry interactions focusing on long term career development goals

## PROGRAMME SPECIFIC OUTCOMES (PSOs)

The graduates would be able to

- Analysis of mechanical systems: Identify Formulate and Analyze problems related to th diverse mechanical systems

Industry readiness: Apply design, manufacturing and management principles to solve real-life problems

- Inter-disciplinary knowledge: Apply the collaborative knowledge gained through inter-disciplinary learning to develop and implement innovative ideas

## PROGRAMMEEDUCATIONALOBJECTIVES (PEOs)

Our students would be able to

- Design, solve and analyze real life mechanical engineering problems

Excel in professional career and transform into successful innovators and entrepreneurs

- Imbibe intellectual curiosity for creative thinking and lifelong learning
- Manifest communication and leadership skills, professional and ethical values and tea

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## FACULTY ACHEIVMENTS

Dr. Praveen K M

Dr. Praveen K M published an article titled "COMPARATIVE MECHANICAL, MORPHOLOGICAL, RHEOLOGICAL AND THERMAL PROPERTIES OF POLYPROPYLENE(PP) / ETHYLENE-PROPYLENE-DIENE RUBBER(EPDM) BLENDS" in Polymers for Advanced Technologies, Wiley (Impact Factor: 3.665).

Dr. Pradeepmon T. G.

Dr. Pradeepmon T G attained Domain Scholar Certification from NPTEL in the Faculty Domain (Advanced).

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Dr. Manoj Kumar K

Dr. Manoj Kumar K published a paper on “A NOVEL APPROACH TO MEASURE KERF-WIDTH IN WIRE-ELECTRIC DISCHARGE MACHINING”, Int. J. Machining and Machinability of Materials in August 2022.

Dr. Praveen K M  Mr. Rony Thomas Murickan

Dr. Praveen K M and Mr. Rony Thomas Murickan published a book on Electrospun Nanofibers from Bioresources for High-Performance Applications.

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Mr. Rony Thomas Murickan

Mr. Rony Thomas Murickan attended a one-week hands-on training programme on Characterisation Tools for Nanotechnology Based Products conducted by Centre for Nanoscience and Engineering, IISc Bangalore.

Dr. Praveen K M

Dr. Pradeepmon T. G.

Dr. Praveen K M and Dr. Pradeepmon T G attended International Conference on Advances in Manufacturing and Material Science 2022 (ICAMMS 2022) from 7 to 9 July 2022.

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## STUDENT ACHIEVMENTS

Laveena, Nandu and Sayooj of S5 ME secured the Runner-up position and a cash prize of Rs 25,000/- in V- Guard Design and Tech Challenge.

Tomin, Krishnaprasad and Abhinu of S5 ME secured Special Jury Award and a cash prize of Rs 10,000/- in V- Guard Design and Tech Challenge.

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## Editorial Board

### Student Members

ARAVIND VINU (Editor)

Sidharth Unnithan (Editor)

YASH NAMBIAR (Designer)

### Faculty Coordinator

Harikrishnan N, Assistant Professor

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# 2018 -2022 MECHANICAL BATCH