

MET
REVOLUTION IN
EDUCATION



Vision & Mission

Vision

“To excel in technical education by producing Mechanical Engineers who competitive and sustainable in the global Socio-Technological front”

Mission

1. To enrich teaching-learning experience through distinguish practices and ever improving infrastructure.
2. To enhance student performance through constant guidance, motivation and mentoring.
3. To develop distinct skills, leadership qualities and creative thinking among the learners through sensible endeavours.

Program Educational Objectives:

Mechanical Engineering Graduates will be able to,

1. Pursue their professional career in core and allied domains.
2. Continuously upgrade their professional skills through higher education and or/ other learning programs.
3. Exhibit strong professional and social ethics, and participation in interdisciplinary ventures.

Program Specific Outcomes:

1. Apply the acquired knowledge of mechanical engineering to develop techniques and system by drawing inferences through investigations using modern tools.
2. Analyze and solve practical problems in mechanical engineering with profound concern about the society and environment.

Maharaja Institute of Technology
Mysore

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Mech-Times-2024

"Exploring the Science Behind the Machine"
Volume-1

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Messages

Message from the Principal

Dr. B.G. Naresh Kumar
Principal

Dear readers,

I wish to convey my wishes to the department of Mechanical Engineering on the publishing their departmental newsletter presenting the world about the developments that have taken place over a period of one year.



Message from Head of the Department

Dr. Mohamed Khaisar
Professor & HoD

Dear readers,

I am very happy to present our yet another edition of departmental newsletter for the year that give you brief information about the functioning of the department and the progress that is taking place. In ever competitive technological world where the survival and sustenance of engineers are the two big questions to be answered by educational organizations. This is possible by educating students through quality education and overall personality development. The department is through its co-curricular and extra-curricular activities facilitating a good ambience for teaching learning process.



Mechismos Family



Dr. Mohamed Khaisar
Professor & Head



Prof. B Harish
Associate Professor



Dr. Y D Chethan
Associate Professor



Dr. Ravikumar K S
Assistant Professor



Prof. Godfrey
Devaputra
Assistant Professor



Prof. Yogesh Kumar K J
Assistant Professor



Prof. Santhosh K G
Assistant Professor



Prof. Chethana G D
Assistant Professor



Prof. Kishan G S
Assistant Professor



Prof. Rakesh S
Assistant Professor



Prof. Anilkumar M M
Assistant Professor



Prof. Kirshnaprasad S
Assistant Professor



Prof. Sathish H
Assistant Professor



Prof. Abhilash M
Assistant Professor



Prof. Sachin B
Assistant Professor



Prof. Abhishek
Assistant Professor



Mr. Rmaesh Kumar M
Forman



Mr. Shivashankar Patel
Lab Instructor



Mr. Somesh
Instructor



Mr. Vishvasu M E
Lab Instructor



Mr. Yogesh B S
Mechanic



Mr. Mahadevaswamy M
Mechanic



Mr. Shivakumar S
Mechanic



Mr. Kiran S
Mechanic



Mr. Manjunath S C
Mechanic



Mr. Shivendra K D
Mechanic



Mr. Shridhara
Lab Assistant



Mrs. Uma Sathish Rao
Department Secretary

HIGHLIGHTS



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Academic Details

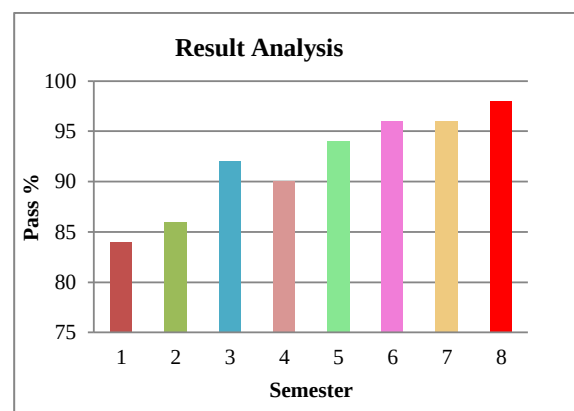
Admission

Maharaja Institute of Technology Mysore with CET Code-158 is situated at a beautiful, enchanting and sprawling landscape in Belavadi Village, Srirngapatna Taluk, Mandya. The institute is founded by a group of eminent people recognised for their eminence in the field of science and engineering technology. Many of them have served at the highest levels of AICTE and University. The college is equipped with all modern learning aids to make teaching-learning process a pleasure. The highly qualified staffs are its asset. The college has very good track record in admission in comparison with other engineering Colleges in Mysore region. Department of Mechanical Engineering is approved with 120 intakes from the year 2011 and from 2022 the intake is 90. The department is getting 95% to 100% admission along the years till date.

Results

Department of Mechanical Engineering has successfully completed 17 years and produced quality mechanical engineers with good results. The result analysis of the year 2023 is,

Sl. No	Sem	Pass %
1	1	84
2	2	86
3	3	92
4	4	90
5	5	94
6	6	96
7	7	96
8	8	98



HIGHLIGHTS

Department Activities

Inauguration of Mechismos Club



Annual inauguration program of Mechismos Club was organised in the month of September 2023, Dignitaries on the diaz were Dr. B G Naresh Kumar Principal, MITM, Dr. T Vasudev, Secretary, MET Mysore, Dr. Y T Krishnegowda, Trustee, MET Mysore, Dr. Mohamed Khaisar, HoD, Mechanical Engineering Department, MITM, Prof. Ravikumar K S, Secretary, Mechismos Club, Prof. Y D Chethan, Treasurer, Mechismos Club, MITM. The inaugural continued with various technical and non-technical events organised to students of Mechanical Engineering, MIT Mysore.

Alumini Meet



Department of Mechanical Engineering recently hosted a Alumni Meet, bringing together former graduates from various batches. The event featured interactive sessions and panel discussions led by distinguished alumni, offering invaluable insights to current students. Networking opportunities and exhibits showcasing alumni achievements added to the day's significance. As the event concluded, attendees departed with renewed connections and a sense of pride.

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Department Highlights

Technical Talks:

Department of mechanical engineering organizes various technical talks by inviting expertise from industries and academia's from other colleges. Expert lectures organized during the 2022-23 are listed below.

1. A technical Talk on "GEOMETRIC DIMENSIONING AND TOLERANCING from Dr Kaleed Imran Associate Professor, VVCE for 6th sem students on 10th April 2023
2. An expert lecture for 6th Sem students on "Karthik Rao Boppinad center Head, Cyseck Govt of Karnataka on CYBER SECURITY on 11th April 2023.
3. A technical talk by Prof. K S Lokesh, Farmer Professor and Registrar JSS Science and Technology University, on IMPACT OF CLIMATE CHANGE ON ENVIRONMENT
4. Kaizen's Work shop organized by QCFI, for students and faculties by QCFI Mysuru Chapter.
5. A technical talk by Mr. Vinay S, Manager - Education and Training, Conceptia Software Technology Ltd. Bangalore. "On Development In Design And Automation For Industry 4.0".
6. Dr. Mohamed Khaisar, Professor & Head, Department of Mechanical Engineering, MIT Mysore was a panel member of Urjavarana program. ISHRAE's annual initiative towards Energy Efficient Buildings Engineering Services on various topics from Smart Homes, HVAC&R, Electricals, Fire & Safety, Building Automation & far reaching to High performance Glass, lightings, Water-treatment Products.

Industrial Visits:

Department of Mechanical Engineering organizes various industrial visits to companies in and around Mysore, Mandya and Nanjungud to students to give an exposure to practices used in industry and to enhance the practical knowledge. Some of the major industries visited are mentioned below.



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Department Activities

Internships

Department encourages its students to undergo internship training during the semester vacations for gaining the experience in industries. Following is the number of student's undergone internships in various industries during the year 2020-21.

Sl. No	Name of the Company	No. of Students
1	BEML, Mysuru	07
2	Central Railway Workshop, Mysuru Division	49
3	MYMUL	05
4	Ethotech Academy Solutions	60

Scholarships

To develop, recognize, support, motivate and uplift the student community, Department of Mechanical Engineering, MITM proudly awards student scholarships to the deserving student. Department has its own scholarship committee to assess the applicants after the applications are received and the scholarships are issued in the annual inaugural function of "Mechismos Club"

The department Club issues 8 scholarships the list of scholarships are,

Sl. No.	Name of Scholarships	Number of Scholarships	Amount in Rupees
1	Mech-Maharaja Platinum Scholarship	01	10000
2	Mech-Maharaja Golden Scholarships	06	5000
3	Late. ShriYaliyurThammeGowda Scholarship	01	10000

HIGHLIGHTS



Department Achievements

Training Programs

Department of Mechanical Engineering organizes various training programs and nurtures the students to update themselves for today's industrial requirement on all fields of engineering like Design, Hydraulics and Pneumatics, Robotics, Mechatronics, Programming etc. All the training programs are certification programs where on successful completion of the training the students receives certificate from the training agency. Till date the department has organized around 60 plus training programs to the students.

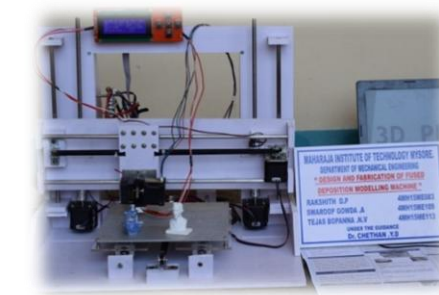
Department has setup an Center of Excellence in Mechatronics Training and Research (CENTER) center to train the students, wherein 600 programs can be executed.

Department has also signed MOU with reputed training centres like:

1. Sri Manjunatha Design Solutions, Bangalore, for Catia training program for 2nd year students
2. VTU regional Center, for Hydraulics and Pneumatics training for 3rd year students.
3. Government ITI college Mysore for training students on CNC programming for Turning and milling operations.
4. Government ITI college Mysore for training students on Automobile Electric Vehicle design and maintenance.
5. Center of Excellence for Mechatronics training and Research for 3rd year students at CENTER lab in MIT Mysore.
6. Computational Fluid Dynamics training using ANSYS, in Research Laboratory, MIT Mysore for 3rd Year Students

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Innovative Projects

Department of Mechanical Engineering, MITM motivates students in executing creative and innovative projects which are beneficial to the society. Few innovative projects executed during year 2022-23 are listed below.

1. Design and Fabrication of Portable Hydro Power Generator, Under the guidance of Prof. Anil Kumar M M, Assistant Professor, Mechanical Engineering, MITM
2. Design and Fabrication of Electric hybrid Bike, under the guidance of Prof. Yogesh Kumar K J, Assistant Professor, Mechanical Engineering, MITM
3. Numerical Analysis of Helical Coil Heat Exchanger using CFD, Under the guidance of Prof. Anil Kumar M M, Assistant Professor, Mechanical Engineering, MITM
4. Design and Fabrication of Electro Pneumatic Circuits Under the guidance of Prof. Kishan G S, Assistant Professor, Mechanical Engineering, MITM
5. Design and Fabrication of Sequentially Controlled FMS Model for Sheet Metal Operations , Under the Guidance of Prof. Anil Kumar M M, Assistant Professor, Mechanical Engineering, MITM
6. Numerical study on thermal management of a data center, Under the guidance of Prof. Chethana G D, Assistant Professor, Mechanical Engineering, MITM
7. Programmable sequential control of sheet metal operations in FMS using raspberry PI, Under the guidance of Prof. Rakesh R, Assistant Professor, Mechanical Engineering, MITM

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Department Activities

Student Achievements

1. Dr. Y D Chethan, Dr. Raviukumar K S and Prof. Kishan G S received an grant under VTU research grant scheme for "Design and Development of concrete 3D printer" of Rs.10,00,000/-
2. Prof. Chethana G D and his project team received and amount of Rs.50,000 for their project "Development and evaluation of Air-conditioned Helmet using Phase Change Module" by ISHARE student chapter at National Level.
3. Prof. Chethana G D and his project team received and amount of Rs.50,000 for their project "Design and Fabrication of Solar Air conditioner for Traffic Cops" by ISHARE student chapter at National Level.
4. Mr. Mohamed Daniel Sharif and his teammates published a journal paper on "Design and Fabrication of Carrot washing machine" the work is guided by Prof. Abhilash M, Assistant Professor, and Department of Mechanical Engineering.
5. Prof. B Harish successfully defended his Ph.D research work carried under the guidance of Dr. K R Prakash, Professor, Dept of Mechanical Engineering, NIE Mysuru on "Characterization of Coated ZA27 as a Antifriction Bearing Material".

HIGHLIGHTS



Department Achievements

Innovative Tutorials:

Department of Mechanical Engineering, MIT Mysore has setup a studio room for recording the lecture sessions for both theory courses and laboratory. The recored sessions are uploaded in the Department Youtube Channel **MIT Mysore-Mechanical Engineering**. Having 500 videos with an average of 8 video lectures for each module. With more than 2.25k subscribers the channel received a massive response from the student community appreciating the effort and quality of lecture sessions.



Societal Activity



ISHRAE student chapter, student members of the chapter participated in Paper Bag Making event which meant to give awareness among the students of MITM about minimizing the use of plastic bags in the college campus and Cauvery cleaning at Talakadu