



# MECHAZINE

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## Higher studies in Germany

Department of  
Mechanical  
Engineering

Editor:

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Department of  
Mechanical Engineering

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Engineering)
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B. E. (Mechanical Engineering)
3. S. Mugesh, Second Year, B. E.  
(Mechanical Engineering)

Mr. Abisheak progresses to his M. S. (Mechanics) in Technische  
University, Darmstadt, Germany.

### Appreciation to Mr. Abisheak



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## A Grateful Tribute to Our Retired Professor



As we look back on the legacy of the Mechanical Engineering Department, we extend our heartfelt thanks and deepest appreciation to three esteemed faculty members who recently retired: **Prof. B. Balaguru**. Their decades of dedication, scholarship, and mentorship have shaped countless students and contributed immensely to the growth and reputation of our department. On behalf of alumni, students, and colleagues, we thank you for your service, inspiration, and the passion with which you taught and guided us. We wish you a joyful and fulfilling retirement ahead.

## Special Lectures



அண்ணாமலைப் பல்கலைக்கழகம்  
Annamalai University  
ACCREDITED WITH 'A' GRADE BY NAAC

Faculty of Engineering and Technology  
Department of Mechanical Engineering  
BE Degree Program Accredited by NBA

**Road Safety Awareness Workshop**

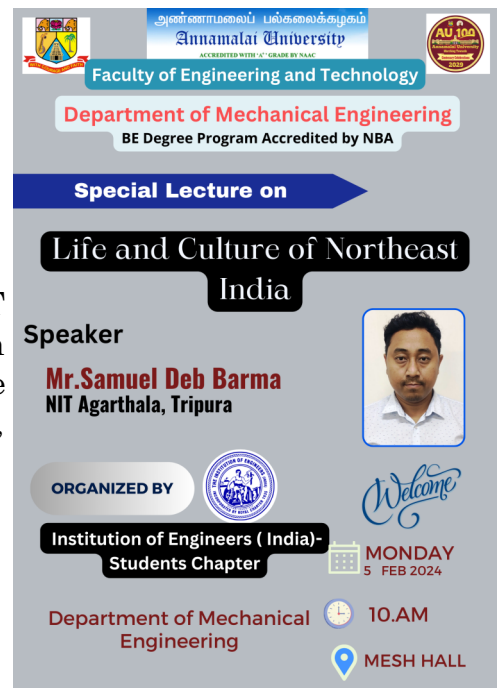
**Speaker**  
**K.Vimala**  
Motor Vehicle Inspector Gr-1  
Regional Transport Office  
Chidambaram

ORGANIZED BY  
Institution of Engineers (India)-  
Students Chapter  
Department of Mechanical  
Engineering

FRIDAY  
5 JAN 2024  
3.00 P.M  
GJR HALL,FEAT

Ms. K. Vimala, Motor Vehicle Inspector Gr-1, RTO Chidambaram, delivered an “Road Safety Awareness Workshop” for 2nd and 3rd-year students. The event, held on 05.01.2024, drew 128 participants at GJR Hall, FEAT, Annamalai University.

Mr. Samuel Deb Barma, Research Scholar, NIT Agarthala, Tripura, delivered an “Awareness Program on NPTEL via SWAYAM” for 2nd and 3rd-year students. The event, held on 04.01.2023, by 108 participants at MESH Hall, FEAT, Annamalai University.



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**Special Lecture on**  
**Life and Culture of Northeast India**

**Speaker**  
**Mr.Samuel Deb Barma**  
NIT Agarthala, Tripura

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Students Chapter  
Department of Mechanical  
Engineering

MONDAY  
5 FEB 2024  
10.AM  
MESH HALL



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**Special Lecture on**  
**Future Fuel for Automobiles**

**speaker**  
**Dr.R.Senthil**  
Professor & Dean,  
University College of Engineering,  
Villupuram

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Students Chapter  
Department of Mechanical  
Engineering

MONDAY  
5 FEB 2024  
11.AM  
MEC HALL

Dr. R. Senthil, Professor & Dean, University College of Engineering, Villupuram delivered an “Future Fuel for Automobiles” for 2nd students. The event, held on 05.02.2024, for 92 participants at MEC Hall, FEAT, Annamalai University.

## Special Lectures

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Students Chapter**

**One day workshop on Industry 4.0 & Placement strategy**

**CADD CENTRE**  
Skills Driven, Job Led

Mr. K. A. Prabhakar, VP CADD Centre, delivered “One day Workshop on Industry 4.0 & Placement Strategy” for 2nd and 3rd-year students. The event, held on 21.02.2024, for 78 participants at L-2206, FEAT, Annamalai University.

**Speaker**  
**K A Prabhakar**  
Vice President CADD Centre

**ORGANIZED BY**

Dr.E.James Gunasekaran  
Dr.P.Ramesh  
Dr.S.Saravanan  
Department of Mechanical Engineering

*Welcome*

**WEDNESDAY**  
21 FEB 2024

**10.AM**

**L-2206**

Dr. T. Ramesh, Professor, Department of Mechanical Engineering, NIT Trichy, delivered an “Introduction to MEMS” for 2nd and 3rd-year students. The event, held on 22.04.2024, drew 82 participants at MEC Hall, FEAT, Annamalai University.

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**Department of Mechanical Engineering**  
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**Special Lecture on**

**INTRODUCTION to MEMS**

**Speaker**

Dr. T. Ramesh,  
Professor,  
Department of Mechanical Engineering  
National Institute of Technology,  
Tiruchirappalli – 620 015

**ORGANIZED BY**

**Institution of Engineers (India)-  
Students Chapter**

**Department of Mechanical Engineering**

**MONDAY**  
22 APR 2024

**11.AM**

**MEC HALL**

*Welcome*

## PhD Viva-Voce

Congratulations on successfully defending theses! The dedication and hard work displayed have led to this achievement, marking an important milestone in their academic journeys.

Ph.D., No.	Date	Name of the scholar	Title	Name of the supervisor
133	24.01.2024	Mr. P. Prabhu	Investigation on Mechanical Thermal and Morphological Analysis of Hybrid Natural and Glass Fiber reinforced Hybrid Resin Nanocom-	Dr.B.Karthikeyan
134	05.02.2024	Mr. R.Srisainath	Cylinder Gasoline Engine Characteristics of Waste Plastic Pyrolysis Oil as an Alternate Fuel on Twin Cylinder Gasoline Engine	Dr.R.Senthilkumar (SRS)
135	09.02.2024	Mr. D.Arokiya Pushparaj	Thermal Analysis on Thermosyphons using various cross section of 6063 Aluminium Alloy with Nano-Particles	Dr.N.Karunakaran
136	22.04.2024	Mr. Kumararaja K	Intelligent Analysis of Heat Pipe Performance with Hybrid Nanofluid	Dr.B.Sivaraman
137	24.04.2024	Mr.Saravanan S	Analysis of Mechanical Properties of Non Metallic Composites	Dr.P.Balaguru

## Conference Presentations

Few of our students participated and presented a technical paper in the International Conferences.

S. No.	Name of the Student	Title	Year	Conference
1	Mugesh S, Avinash B & Mohamed Sulaiman	Fabrication of Automatic Leaf Plate Making Machine	Second Year	International Halich Congress on Multidisciplinary Scientific Research-VII, Turkiye
2	Mugesh S	Fabrication of Automatic Leaf Plate Making Machine	Second Year	Emerging Trends in Engineering and Technology, NIT Puducherry

## SWAYAM Participations

The following student enrolled and cleared a technical paper in the SWAYAM - NPTEL.

S. No.	Name of the Student	Title	Year	Institute
1	Avinash B	Advanced Machining Processes	Second Year	IIT Kanpur
2	Lakshmanan T	Product Design and Manufacturing	Second Year	IIT Kanpur
3	Suganthan N	Advanced Machining Processes	Second Year	IIT Kanpur

## Department of Mechanical Engineering

Faculty of Engineering and  
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### WE'RE ON THE WEB

[HTTPS://WWW.ANNAMALAIUNIVERSITY.AC.IN/E09\\_INFO.PHP?DC=E09](https://www.annamalaiuniversity.ac.in/E09_INFO.PHP?DC=E09)



#### VISION:

Mechanical Engineering Department aims for global recognition through world-class education and pioneering research, nurturing engineers adept in leveraging cutting-edge technology for innovative and sustainable solutions to make impactful contributions to society.

#### MISSION:

1. Prepare the graduates to pursue life-long learning, serve the profession and meet the intellectual, ethical and career challenges.
2. Extend a vital, state-of-the-art infrastructure to the students and faculty with opportunities to create, interpret, apply and disseminate knowledge.
3. Develop the student community with wider knowledge in the emerging fields of Mechanical Engineering.
4. Provide set of skills, knowledge and attitude that will permit the graduates to succeed and thrive as engineers and leaders.
5. Create a conducive and supportive environment for all round of growth of the students, faculty and staff.

#### PROGRAM EDUCATIONAL OBJECTIVES:

1. Prepare the graduates with a solid foundation in Engineering, Science and Technology for a successful career in Mechanical Engineering.
2. Train the students to solve problems in Mechanical Engineering and related areas by engineering analysis, computation and experimentation, including understanding basic mathematical and scientific principles.
3. Inculcate students with professional and ethical attitude, effective communication skills, team work skills and multidisciplinary approach.
4. Provide opportunity to the students to expand their horizon beyond mechanical engineering.
5. Develop the students to adapt to the rapidly changing environment in the areas of mechanical engineering and scale new heights in their profession through lifelong learning.

## Placements (2023-24)

# TPRS



W A B A G



# Sai

# CAD MAcRO