

# GLANCE

## Yearly Newsletter

Published by

**Department of Mechanical Engineering**

V V COLLEGE OF ENGINEERING



Volume : 3

Issue: 1

Dec 2022



### EDITORIAL BOARD

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Professor and Head

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### VISION:

Create highly skilled, competent and excellent Mechanical Engineers with human values, ethics, passion, competence and profound involvement to serve for the betterment of the society.

### MISSION:

- Provide quality education in Mechanical Engineering by creating a platform to enable technical, communication, design and problem solving skills.
- Provide resources, environment and continuing learning processes for better exposure in contemporary technologies in Mechanical Engineering.
- Promote research based projects in the cutting edge domains of Mechanical and allied Engineering, for betterment of society.



# **V V COLLEGE OF ENGINEERING**

**TISAIYANVILAI-628656**

## **Mechanical Engineering Department Newsletter**

**Volume:3,**

**Issue:1,**

**Dec. 2022.**

### ***VISION OF THE INSTITUTION***

Emerge as a premier technical institution of global standards, producing enterprising, knowledgeable engineers and entrepreneurs.

### ***MISSION OF THE INSTITUTION***

- ❖ Impart quality and contemporary technical education for rural students.
- ❖ Have the state-of-the-art infrastructure and equipment for quality learning.
- ❖ Enable knowledge of ethics, values and social responsibilities.
- ❖ Inculcate innovation and creativity among students for contribution to society.

### ***VISION OF THE DEPARTMENT***

Create highly skilled, competent and excellent Mechanical Engineers with human values, ethics, passion, competence and profound involvement to serve for the betterment of society.

### ***MISSION OF THE DEPARTMENT***

- ❖ Provide quality education in Mechanical Engineering by creating a platform to enable technical, communication, design and problem solving skills.
- ❖ Provide resources, an environment and continuing learning processes for better exposure to contemporary technologies in Mechanical Engineering.
- ❖ Promote research based projects in the cutting edge domains of Mechanical and allied Engineering, for the betterment of society



## CHAIRMAN'S MESSAGE



As we embark on another exciting academic year, I am filled with immense pride and enthusiasm for the progress and achievements of our department. Our commitment to excellence in education, research, and community engagement continues to shape the future of engineering, fostering innovation and inspiring the next generation of leaders.

I am particularly proud of our students who have demonstrated resilience and adaptability in the face of unprecedented challenges. Your creativity and determination have led to outstanding academic performances, successful internships, and impactful community service projects. These experiences not only enhance your professional skills but also embody the spirit of engineering—solving complex problems for the betterment of society.

Our faculty members continue to be at the forefront of innovation, integrating cutting-edge research into their teaching and mentoring students to reach their full potential. Their unwavering commitment to excellence ensures that our curriculum remains relevant and rigorous, preparing our graduates for successful careers in a rapidly evolving industry.

Looking ahead, we have several exciting initiatives planned. We are expanding our laboratory facilities, introducing new courses that reflect the latest advancements in engineering, and strengthening our partnerships with industry to provide more hands-on learning opportunities for our students. These efforts are aimed at ensuring that our department remains a leader in engineering education and research.

I would like to extend my heartfelt gratitude to all of you—students, faculty, staff, alumni, and industry partners—for your continued support and dedication. Together, we are building a vibrant, dynamic community that thrives on collaboration, innovation, and a shared commitment to excellence.

## PRINCIPAL'S MESSAGE

**“Scientists study the world as it is; engineers create the world that has never been.”**

is the famous quote from the Mathematician, Aerospace engineer and physicist Theodore von Karman...

As we come together through this latest edition of our newsletter, I am filled with pride and gratitude for the remarkable achievements and the unwavering spirit of our community. Each page of this newsletter is a testament to the hard work, dedication, and creativity of our students and staff.

This term has seen incredible academic accomplishments, innovative projects, and successful events that have brought us closer as a community. Notably, our recent placement drive conducted by the Mechanical Engineering has resulted in many of our students securing positions in prestigious organizations, a reflection of both their talent and the strong support from our faculty.

I encourage you to explore the pages of this newsletter, celebrating the milestones we've reached and the challenges we've overcome. Let it inspire you to continue striving for excellence, both in your personal and academic pursuits.

Thank you for being a part of this journey. Together, we will continue to grow, learn, and achieve great things.

**Dr.K.S.Saji**  
**Principal**

## ***HOD'S MESSAGE***



It is with great pleasure that I present to you this edition of our department's newsletter. This publication serves not only as a reflection of our collective efforts and achievements but also as a source of inspiration for the future.

This term has been particularly eventful, with numerous academic and extracurricular activities showcasing the talent and dedication of our students and faculty. Our recent placement drive stands out as a highlight, with many of our students securing positions in leading companies. This success is a testament to the hard work of our students and the unwavering support from our faculty and industry partners.

In these pages, you will find stories of innovation, collaboration, and excellence. From groundbreaking research projects to community outreach initiatives, our department continues to push the boundaries of what is possible. I am immensely proud of what we have achieved together and excited about the opportunities that lie ahead.

As you read through this newsletter, I hope you will feel as inspired as I do by the incredible work being done in our department. Let us continue to strive for excellence, support one another, and build a brighter future together.

**Dr.P.Padmanabhan**

**Professor & Head / Mechanical**

## **ABOUT THE DEPARTMENT**

The Mechanical Engineering Department was established in the year 2010. The department has a team of highly qualified, dedicated and motivated members of faculty and well equipped laboratories to conduct Under Graduate and Post Graduate Programmes. The department aims at generating employable mechanical engineers to lead a successful career and contribute to the society by excelling in their respective fields of endeavour. The field of Mechanical Engineering encompasses many exciting subjects such as Thermal Engineering, Manufacturing Engineering, Engineering Design, Automobile Engineering, Computer Aided Design, Computer Aided Manufacturing, Power Plant Engineering, Refrigeration and Air conditioning, Mechatronics, Automation and Robotics. The department offers the following courses:

**B.E.(Full time) Mechanical Engineering with an intake of 60 students**

**M.E.(Full time) CAD/CAM with an intake of 12 students.**

**Recognized as Research centre by Anna University for pursuing Ph.D and M.S degree in Mechanical Engineering.**

### **EDITORIAL BOARD MEMBERS**

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Sujin.M – III Mech  
Monish kumar.K – II Mech



## ***STUDENTS ACHIEVEMENTS***

### **STUDENT'S UNIVERSITY EXAMINATION PERFORMANCES**

#### **ODD SEMESTER TOPPERS : 2022-23(Nov-Dec 2022)**

Semester	I Rank	II Rank	III Rank
III			
	S.SRI RAM(8.20)	N.GOPALAKRISHNAN(8.18)	K.MONISH KUMAR(7.90)
V			
	A.DEVA SUNIL ROHAN(8.23)	A.ANGELIN MARIA RAJA SELVI(7.97)	M.SUJIN(7.52)
VII			
	S.S.GOWSHIKA(8.69)	S.LIVIN(8.69)	P.ROBINS RABITH(8.30)

## **STUDENT ACTIVITIES**

1. **Deva Sunil Rohan.A** attended a technical Workshop at Anna University Regional Centre, Tirunelveli on 24.03.2023.
2. **Monish Kumar.K** attended a technical Workshop at Anna University Regional Centre, Tirunelveli on 24.03.2023.
3. **Sahaya Dinason M** attended a technical Workshop at Anna University Regional Centre, Tirunelveli on 24.03.2023.
4. **Sundara Vel.R** attended a technical Workshop at Anna University Regional Centre, Tirunelveli on 24.03.2023.
5. **Muthu Venkatesh.G** attended a technical Workshop at Anna University Regional Centre, Tirunelveli on 24.03.2023.

## **FACULTY ACTIVITIES**

## **RESEARCH PUBLICATIONS**

1. Jebadurai SG, Raj RD, Sreenivasan VS. Characterization of natural cellulosic fiber from *Coccinia grandis* root. Journal of Natural Fibers. 2022 Oct 28;19(14):9444-56

## **FDP / SEMINAR / WORKSHOP ATTENDED**

1. **Mr.A.Simon Christopher** was attended a 6 days Virtual Faculty Development Programme on “**Mechanical Engineering and Innovations through Advanced Technology(MEI-TAT-2022)**” at GIET University, Odisha from 14.11.2022 to 19.11.2022
2. **Mr.A.Simon Christopher** was attended a 2 days online Faculty Development Programme on “**Additive Manufacturing for Environmental Sustainability**” at Sri Krishna College of Engineering and Technology, Coimbatore. from 24.11.2022 to 25.11.2022
3. **Mr.M.Selvaganesan** was attended a 6 days online International Faculty Development Programme on “**Futuristic Research in Mechanical Engineering**”



organized by SRM Institute of Technology, Ramapuram Campus from 08.08.2022 to 13.08.2022.

4. **Mr.T.Albert** was attended a 6 days online International Faculty Development Programme on “**Futuristic Research in Mechanical Engineering**” organized by SRM Institute of Technology, Ramapuram Campus from 08.08.2022 to 13.08.2022.
5. **Mr.A.Sivasubramanian** was attended 3 days Faculty Development Programme on “**Advance Research in Friction Welding and its Engineering Applications**” at Rajalakshmi Engineering College from 25.08.2022 to 27.08.2022.
6. **Mr. K. Antony Alex Raja** was attended a 2 days online Faculty Development Programme on “**Additive Manufacturing for Environmental Sustainability**” at Sri Krishna College of Engineering and Technology, Coimbatore from 24.11.2022 to 25.11.2022.
7. **Mr. K. Antony Alex Raja** was attended a one week online “**Faculty Induction Workshop on Thrust Areas**” from 10.10.2022 to 15.10.2022.
8. **Dr.P.Padmanabhan** was attended a two days FDP Nan Mudhalvan Scheme on “**Industry 4.0**” by Francis Xavier Engineering College, Tirunelveli from 27.09.2022 to 28.09.2022.
9. **Dr.P.Padmanabhan** was attended a 5 Days online Workshop on “**Smart Manufacturing and Industry 4.0**” by Indian Institute of Technology (IIT), Varanasi from 11.10.2022 to 15.10.2022.
10. **Dr.P.Padmanabhan** was attended a NPTEL-AICTE- FDP on” **Selection of Nano materials for Energy Harvesting and Storage Application**” by IIT Roorkee from July 2022 to August 2022.
11. **Dr.P.Padmanabhan** was attended a NPTEL-AICTE-FDP on “ **The Future of Manufacturing Business-Role of Digital Technologies** ” by IIT Chennai from July 2022 to September 2022.
12. **Dr.P.Padmanabhan** was attended a 2 Days online FDP on “**Additive Manufacturing for Environmental Sustainability**” by Sri Krishna College of Engineering and Technology, Coimbatore from 24.11.2022 to 25.11.2022.
13. **Dr.P.Padmanabhan** was attended a NPTEL-AICTE- FDP on” **Automation in Manufacturing**” by IIT Guwahati from July 2022 to October 2022.

14. **Dr.P.Padmanabhan** was attended NPTEL-AICTE-FDP on “**Fundamentals of Artificial Intelligence**” by IIT Guwahati from July 2022 to October 2022.
15. **Dr.P.Padmanabhan** was attended NPTEL-AICTE-FDP on “**Accreditation and Outcome based Learning**” by IIT Kharagpur from August 2022 to October 2022.
16. **Dr.P.Padmanabhan** was attended a Short term Course on “**Inspection and Quality Control in Manufacturing**” by IIT Roorkee from 17.12.2022 to 18.12.2022.

#### **RESOURCE PERSON IN INVITED TALKS**

1. **A.Simon Christopher** was invited as **Invited Talk and Guest for Paper Presentation** conducted by HiTech Polytechnic College, Samugarengapuram. On 13.09.2022.

#### **AWARDS**

1. **Dr.P.Padmanabhan** was recognized as “**NPTEL ENTHUSIAST**” by SWAYAM Portal from July 2022 to Dec 2022.
2. **Dr.P.Padmanabhan** was recognized as “**NPTEL BELIEVER**” by SWAYAM Portal from July 2022 to Dec 2022.

## DEPARTMENT ACTIVITIES

### WORKSHOP

#### One Day Workshop on Non-Destructive Testing

**Resource Persons:** Mr.R.Nirmal & Mr.I.George Francis, Imaya Inspection Technology and His Team.

This One day National workshop on “Non Destructive Testing” was organized by the Department of Mechanical Engineering on 04th November 2022. The objective of this Workshop was to discuss various types of Non-Destructive Techniques and their industrial applications. This Workshop aim to provide participants with knowledge and hands-on experience in techniques used to evaluate the properties and integrity of materials and components without causing damage. In his concluding remarks, Mr. R.Nirmal said that the information about NDT certification and professional development opportunities how helps participants programs in their careers.

  
**V V COLLEGE OF ENGINEERING**  
Tisaiyanvilai - 627 657  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
A One-Day Workshop on  
**NON-DESTRUCTIVE TESTING**  
*Resource Persons*  
**Mr.R.NIRMAL**  
**Mr.I.GEORGE FRANCIS**  
*Industrial Experts, Imaya Inspection Technology*  
DATE: 04.11.2022  
Venue: Kamarajar Memorial Library (Conference Hall)





