



SRI SHANMUGHA®

COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION , AFFILIATED TO ANNA UNIVERSITY

APPROVED BY AICTE,ACCREDITED BY NAAC WITH 'A' GRADE

# DEPARTMENT OF MECHANICAL ENGINEERING

NEWSLETTER

**The Mechanist**

2024-2025

Department of **Mechanical** Engineering



Shanmugam K, Founder & Chairman  
Sri Shanmugha Institutions

## CHAIRMAN MESSAGE

Greetings! Education builds a bridge between ignorance and wisdom. Sri Shanmugha Educational Institutions has been established with fulfilling such an objective. It is an undeniable fact that education always serves the purpose of enlightening the rural mass by showing the light of knowledge and wisdom towards the path of success. This aspiration has paved the primary base for the emergence of Sri Shanmugha College of Engineering and Technology,

which, in fact, disseminates knowledge through innovative teaching and learning practices and industry connect endeavors. As the Founder-Chairman, I am highly privileged that the Sri Shanmugha campus functions as an instrument for making potential engineers with human ethics, who are absolutely the masterminds of building our nation.

## VICE CHAIRMAN MESSAGE



Prabhakar S, Vice-Chairman  
Sri Shanmugha Institutions

Greetings! Nelson Mandela says, “Education is the most powerful weapon we can use to change the world.” True to this quote, knowledge plays a pivotal role in shaping the youth for the better future of our country. It has the power to reshape the world. To attain it, education plays a dominant role as the source of inspiration and transformation.

My dream to establish a fountainhead of education has been fulfilled with Sri Shanmugha platform for the young minds to aspire and acquire knowledge in engineering and technology. Sri Shanmugha makes the dreams of young individuals come true in a way of equipping competence to meet their personal and professional life. It is the forerunner in setting up and exemplifying benchmark in the fields of engineering and technology. The learners derive pleasure in learning current trends via a range of curricular, co-curricular and extra-curricular activities with regard to satiating the industrial standards and expectations.

## EXECUTIVE DIRECTOR MESSAGE



Thirumoorthy A, Executive Director  
Sri Shanmugha Institutions

Greetings! Preparing our students for today's competitive world is our primary focus. Identifying right opportunities for students and ensuring that these opportunities have complete visibility through excellence in operations is my targeted approach for our young bright minds.

Rightly said by Marian Edelman that "Education is for improving the lives of others and for leaving your community and world better than you found it", we

resonate this by ensuring no student who walks into our campus is left without the opportunity of learning. Our actions are focused on creating an ambience suitable for fostering quality education along with activities that transform our students as responsible citizens of our country.



## **SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**

### **Vision:**

Our founding ethos remains at the core of the Institution's vision. To be an institute of repute in all fields of education by implementing the best practices akin to global standards for fostering domain knowledge and developing research attitude among students to make them globally competent.

### **Mission:**

<b>M1</b>	Achieving excellence in Teaching & Learning process using state-of-the-art resources.
<b>M2</b>	Extending opportunity to upgrade faculty knowledge and skills.
<b>M3</b>	Implementing the best student training practices for requirements of industrial scenario of the state.
<b>M4</b>	Motivating faculty and students in research activity for real time application.

## **DEPARTMENT OF MECHANICAL ENGINEERING**

### **Vision:**

To prepare competent Mechanical engineers capable of working in an interdisciplinary environment contributing to society through innovation, leadership and entrepreneurship

### **Mission:**

<b>DM1</b>	To offer quality education which enables them in professional practice and career.
<b>DM2</b>	To provide learning opportunities in the state-of-the-art research facilities to create, interpret, apply and disseminate knowledge in their profession.
<b>DM3</b>	To Prepare the students as professional engineers in the society with an awareness of environmental and ethical values.

### **Program Educational Objectives (PEO's):**

<b>PEO1</b>	To prepare students to take up career in Industry, Academia as well as in Public service.
<b>PEO2</b>	To provide core domain and interpersonal skills to design & develop mechanical systems for interdisciplinary applications following ethical code.
<b>PEO3</b>	To develop qualities to progress in entrepreneurship and research activities.

### **About the Department:**

Mechanical engineers are constantly pushing the boundaries of what is physically possible in order to produce safer, cheaper, and more efficient machines and mechanical systems. Huge opportunities exist for mechanical engineers and they are being employed in nearly every industry. The department of Mechanical Engineering was established in the year 2011. The department is well poised to shape the students to become highly motivated Scientists, engineers, entrepreneurs, & policy makers needed to address complex societal issues.

- The Department offers Under Graduate program in Mechanical Engineering leading to B.E. degree graduate program with intake of 60 and also Post graduate program M.E., in Industrial safety Engineering with intake of 12.
- The department strives to enhance student interests in advances in mechanical engineering, and impart high quality education through well-qualified & highly motivated faculty team, well- equipped laboratories, and instructional facilities.
- The department underscores the importance of recognizing that mechanical engineering education must be coupled with modern industry with practices giving hands-on opportunity for every student to relate theory with practice.
- The department's all around sound performance in every sphere of academic activity has a well enough proof that it is student focused.

**2<sup>nd</sup> NBA Accreditation****Academic Years 2023-2024 to 2025-2026  
(Upto 30.06.2026)****Permanent Affiliation from Anna University Chennai****Approved Anna University Research Centre**



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## Department Association Activities:

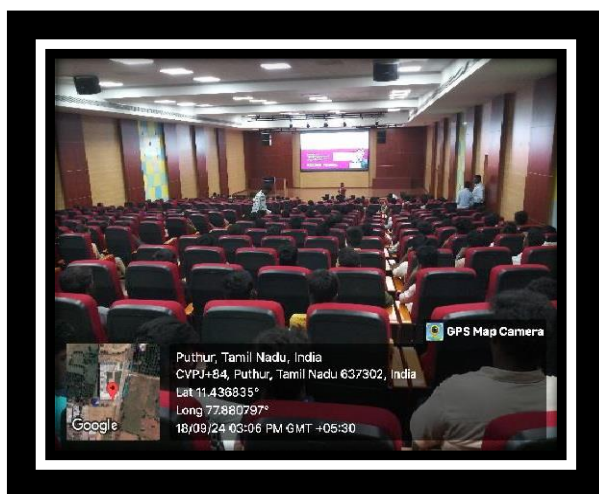
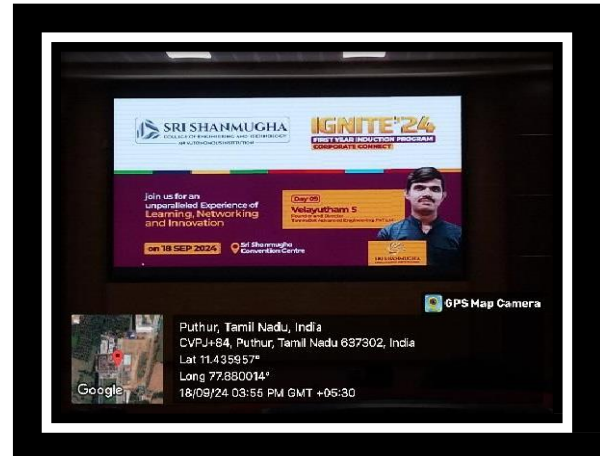
- Seminar on **Recent Trends and Technologies in E-Bikes** was conducted for our students on **18<sup>th</sup> September 2024**.

**Industrial Resource persons:** Velayutham S

Founder & Director,

TamiraBot Advanced Engineering PVT Ltd.

**No. of students Benefitted**      70

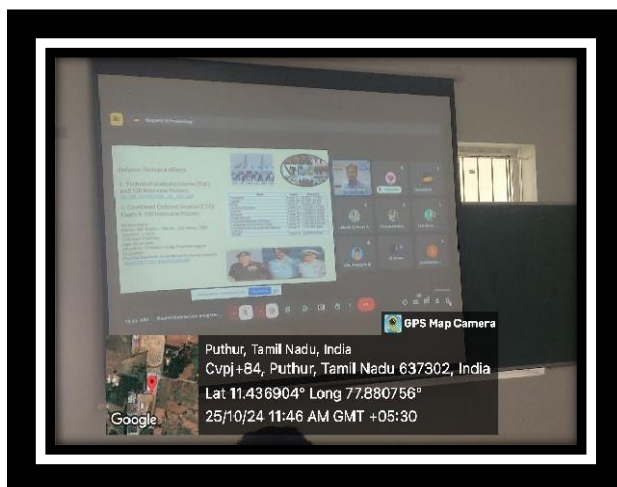
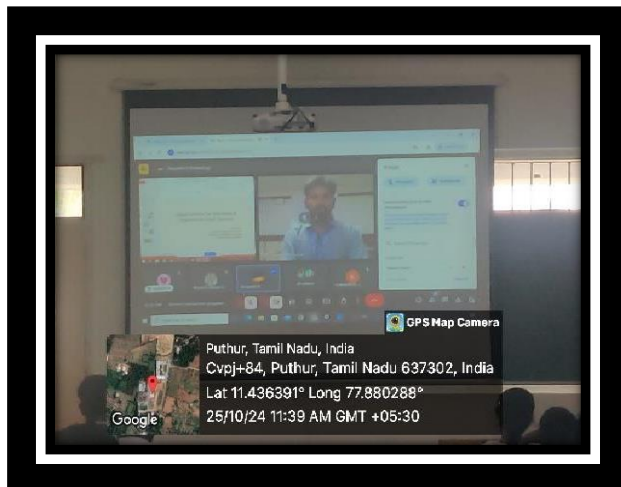




- Seminar on **Career Opportunities for Mechanical Engineers in Government Sectors** was conducted for our students on **25<sup>th</sup> October 2024**.

**Industrial Resource persons:** Mr. K.Venkatesh,  
Assistant Executive Engineer,  
ITI LIMITED (A Govt. of India Undertaking)  
(2018 batch - Passed out student)

No. of students Benefitted      70







### Students Achievements:

#### Inplant Training:

S.No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the Participants	Duration	Nature of the activity
1	Students Internship Program	S&O Maritime Pvt Ltd, Kerala	Amithrajith A V	14.07.2024 to 31.07.2024	Inplant Training
2	Students Internship Program	Kumar Auto Agency, Vaiyappamalai	S.Paramanandam	15.07.2024 to 31.07.2024	Inplant Training
3	Students Internship Program	TVS Mobility Private Limited, Sankagiri	Deepak.A	15.07.2024 to 31.07.2024	Inplant Training
4	Students Internship Program	TVS Mobility Private Limited, Sankagiri	Indrajith	15.07.2024 to 31.07.2024	Inplant Training
5	Students Internship Program	TVS Mobility Private Limited, Sankagiri	Kandhan J	15.07.2024 to 31.07.2024	Inplant Training
6	Students Internship Program	TVS Mobility Private Limited, Sankagiri	Kavin M	15.07.2024 to 31.07.2024	Inplant Training
7	Students Internship Program	TVS Mobility Private Limited, Sankagiri	Gowri Shannkar A	15.07.2024 to 31.07.2024	Inplant Training
8	Students Internship Program	TVS Mobility Private Limited, Sankagiri	Arulmurugan P	15.07.2024 to 31.07.2024	Inplant Training
9	Students Internship Program	TVS Mobility Private Limited, Sankagiri	Meikumaran S	15.07.2024 to 31.07.2024	Inplant Training
10	Students Internship Program	Trichy Anamallais Agencies Pvt Ltd, Salem	Santhoshkumar S	15.07.2024 to 31.07.2024	Inplant Training
11	Students Internship Program	TVS Mobility Private Limited, Sankagiri	Muralikrishnan S	15.07.2024 to 31.07.2024	Inplant Training



12	Students Internship Program	Trichy Anamallais Agencies Pvt Ltd, Salem	Sasikumar T	15.07.2024 to 31.07.2024	Inplant Training
13	Students Internship Program	Kumar Auto Agency, Vaiyappamalai	Vikash Kumar Singh R	15.07.2024 to 31.07.2024	Inplant Training
14	Students Internship Program	Hero Motors, Perambalur	K.Ravi	18.07.2024 to 02.08.2024	Inplant Training
15	Students Internship Program	Hi-Tech CNC Automation, Coimbatore	Ahish Vr	22.07.2024 to 03.08.2024	Inplant Training
16	Students Internship Program	Hi-Tech CNC Automation, Coimbatore	Rogan Sanjay Y	22.07.2024 to 03.08.2024	Inplant Training
17	Students Internship Program	Hi-Tech CNC Automation, Coimbatore	Sanjay G	22.07.2024 to 03.08.2024	Inplant Training
18	Students Internship Program	Hi-Tech CNC Automation, Coimbatore	Rithick S	22.07.2024 to 03.08.2024	Inplant Training
19	Students Internship Program	Hi-Tech CNC Automation, Coimbatore	Deepakkumar M	22.07.2024 to 03.08.2024	Inplant Training
20	Students Internship Program	Hi-Tech CNC Automation, Coimbatore	Krishnaraj. S	22.07.2024 to 03.08.2024	Inplant Training
21	Students Internship Program	Hi-Tech CNC Automation, Coimbatore	Venkatesh.S	22.07.2024 to 03.08.2024	Inplant Training
22	Students Internship Program	Hi-Tech CNC Automation, Coimbatore	Venuprasath B B	22.07.2024 to 03.08.2024	Inplant Training
23	Students Internship Program	Hi-Tech CNC Automation, Coimbatore	Velmurugan M	22.07.2024 to 03.08.2024	Inplant Training
24	Students Internship Program	Hi-Tech CNC Automation, Coimbatore	Santhosh N	22.07.2024 to 03.08.2024	Inplant Training



**Other college events participation:**

S.No	Year	Name of the Event	Name of the Student	Year of Study	Name of the Organizer	Award Won
1.	2024	Designing CAD Models	V TAMILARSAN	IV Year / Mech	Excel Engineering College	I Prize
2.	2024	Workshop – E-vehicle Hub	P KARTHI	III Year / Mech	Erode Sengunthar Engineering College, Perundurai	Participated
3.	2024	QUIZ- Techfest	P KARTHI	III Year / Mech	Erode Sengunthar Engineering College, Perundurai	Participated
4.	2024	Workshop – Evehicle Hub	V SABARISH	III Year / Mech	Erode Sengunthar Engineering College, Perundurai	Participated
5.	2024	QUIZ- Techfest	V SABARISH	III Year / Mech	Erode Sengunthar Engineering College, Perundurai	Participated
6.	2024	CAD Modelling	V SABARISH	III Year / Mech	Erode Sengunthar Engineering College, Perundurai	Participated
7.	2024	3D Printing	V SABARISH	III Year / Mech	Erode Sengunthar Engineering College, Perundurai	Participated
8.	2024	Workshop – Evehicle Hub	G SIVA	III Year / Mech	Erode Sengunthar Engineering College, Perundurai	Participated
9.	2024	QUIZ- Techfest	G SIVA	III Year / Mech	Erode Sengunthar Engineering College, Perundurai	Participated
10.	2024	Workshop – Evehicle Hub	C NAGA MAHESH KUMAR	III Year / Mech	Erode Sengunthar Engineering College, Perundurai	Participated



11.	2024	3D Printing	C NAGA MAHESH KUMAR	<b>III Year / Mech</b>	Erode Sengunthar Engineering College, Perundurai	Participated
12.	2024	CAD Modelling	C NAGA MAHESH KUMAR	<b>III Year / Mech</b>	Erode Sengunthar Engineering College, Perundurai	Participated
13.	2024	QUIZ- Techfest	C NAGA MAHESH KUMAR	<b>III Year / Mech</b>	Erode Sengunthar Engineering College, Perundurai	Participated
14.	2024	Workshop – Evehicle Hub	V KIRUBAKARN	<b>III Year / Mech</b>	Erode Sengunthar Engineering College, Perundurai	Participated
15.	2024	CAD Modelling	V KIRUBAKARN	<b>III Year / Mech</b>	Erode Sengunthar Engineering College, Perundurai	II Prize
16.	2024	QUIZ- Techfest	V KIRUBAKARN	<b>III Year / Mech</b>	Erode Sengunthar Engineering College, Perundurai	Participated
17.	2024	TCS ion First Aptitude	K KARTHI	<b>III Year / Mech</b>	Online	Pass
18.	2024	TCS ion Second Aptitude	K KARTHI	<b>III Year / Mech</b>	Online	Pass
19.	2024	Microsoft Excel	K KARTHI	<b>III Year / Mech</b>	Online	Pass
20.	2024	TCS ion First Aptitude	V TAMIZHARASAN	<b>III Year / Mech</b>	Online	Pass
21.	2024	TCS ion Second Aptitude	V TAMIZHARASAN	<b>III Year / Mech</b>	Online	Pass
22.	2024	TCS ion First Aptitude	C NAGA MAHESH KUMAR	<b>III Year / Mech</b>	Online	Pass
23.	2024	TCS ion Second Aptitude	C NAGA MAHESH KUMAR	<b>III Year / Mech</b>	Online	Pass
24.	2024	TCS ion First Aptitude	V KIRUBAKARAN	<b>III Year / Mech</b>	Online	Pass



25.	2024	TCS ion Second Aptitude	V KIRUBAKARAN	III Year / Mech	Online	Pass
26.	2024	Workshop – Data Science and Analytics	S VENKATESH	II Year / Mech	Online	Pass

**Placement Records:**

S.No	Name of the Student	Batch	Company Placed
1.	Tamilarasan.V	2020-2024	Windcare India Private Limited, Pollachi
2.	Deepak J	2020-2024	Windcare India Private Limited, Pollachi
3.	Alagesh.D	2020-2024	Windcare India Private Limited, Pollachi
4.	Jagadeesh.S	2020-2024	Windcare India Private Limited, Pollachi
5.	Kalimuthu.S	2020-2024	Windcare India Private Limited, Pollachi



**NPTEL Certification:**

S.NO	Name of the student	Year	SIN Number	Course	Result status
1	A.E.Kisanth	II Year	E23ME011	Fundamental of Manufacturing Processes	Successfully completed
2	M.Velmurugan	III Year	E22ME002	Advanced Machining Process	Successfully completed
3	J.Kandhan	III Year	E22ME014	Fundamental of advanced Manufacturing process	Successfully completed
4	A.Deepak	III Year	E22ME016	Fundamental of advanced Manufacturing process	Successfully completed
5	R.Dhinakar	IV Year	E21MC003	Metal additive Manufacturing	ELITE
6	V.Kirubakaran	IV Year	E22ME001 T	Metal additive Manufacturing	ELITE + SILVER





**Faculty Achievements:**

**A. Faculty Enrichment**

Year	Name of the Faculty Member	Event Type	Title of the event	Name of the conducting Organization	Date
2024	Mr.T.R.Arun prasand	FDP	Technological advancement in synthesis of novel materials	Chaitanya bharathi Institute of Technology, Hyderabad	05/08/2024 to 10/08/2024
2024	Mr.T.R.Arun prasand	FDP	Teaching Turbomachinery	KPR Institute of Engineering and Technology, Coimbatore	22/07/2024 to 27/07/2024
2024	Dr. N. R. Srinivasan	FDP	Fundamentals of Data Science	National Institute of Technical Teachers' Training and Research, Kolkata	24/06/2024 to 28/6/2024
2024	Mr.J.Kumaravel	FDP	International FDP on Progress in Mechanical Engineering	SRM Institute of Science & Technology, Ramapuram Campus	14/10/2024 to 19/10/2024
2024	Mr.J.Kumaravel	FDP	Additive Manufacturing Advancements in Different Applications (AMADA-24)	SRM Institute of Science & Technology, Ramapuram Campus	21/10/2024 to 26/10/2024



2024	Mr.J.Kumaravel	FDP	Generative AI: Innovations in Creativity, Industry Applications, and Ethical Challenges	Sri Shanmugha College of Engineering and Technology, Salem, Tamil Nadu	16/12/2024 to 21/12/2024
2024	Dr.L.Prabu	FDP	Generative AI: Innovations in Creativity, Industry Applications, and Ethical Challenges	Sri Shanmugha College of Engineering and Technology, Salem, Tamil Nadu	16/12/2024 to 21/12/2024

**B. NPTEL**

S.NO	Name of the Faculty	Designation	Course	Result status
1	Dr.N.R.Srinivasan	Professor	Introduction to machine learning	ELITE SILVER
2	Dr.N.R.Srinivasan	Professor	Python for data science	ELITE
3	Dr.N.R.Srinivasan	Professor	Learning analytics tools	ELITE SILVER
4	Mr.R.Boopathi	AP	Sustainable energy Technology	Successfully completed
5	A.Vasanthaprasad	AP	Problem solving through programming in C	ELITE



### C. Event Organized

Year	Event Type	Title of the Event	Coordinator Name	Date
2024	Seminar	Recent Trends and Technologies in E-Bikes	Mr.J.Kumaravel	18/09/2024
2024	Seminar	Career Opportunities for Mechanical Engineers in Government Sectors	Mr.J.Kumaravel Mr.R.Boopathi	25/10/2024



### **Faculty Research Activities:**

#### **Paper published:**

Mr.R.Boopathi, published a journal paper “Energy Potential and Properties of Agro Biomass Briquettes with Nano Kaolin Binder for Sustainable Environment”, Journal of Environment Nano Technology on 30.09.2024.

### **Patents:**

#### **1. Name of the Faculty : Dr.L.Prabu**

**Title of the Patent:** Air and Water Purification Device with Agro Waste Using Solar Energy

**ID Number:** 416940-001

**National / International:** National

**Grant/Published:** Grant

#### **2. Name of the Faculty : Dr.L.Prabu**

**Title of the Patent:** Biometric Based Key Accessing Device

**ID Number:** 417109-001

**National / International:** National

**Grant/Published:** Grant