

**EASWARI
ENGINEERING COLLEGE**

An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY

RAMAPURAM CHENNAI

DEPARTMENT OF
MECHANICAL ENGINEERING

NEWS

LETTER

**JULY - SEPTEMBER
2022**

STUDENT EDITORS

Balaji V 310620114314

Siddhesh Pillai G 310620114072

Sai Siddharth S 310621114106

CHEIF EDITOR:

**DR. M VETRIVEL SEZHIAN
PROF & HEAD MECH**

FACULTY :

**Mr. K.R. SURESH KUMAFR
ASST.PROF
MECHANICAL DEPARTMENT**



VISION

To be an acknowledged leader in imparting Mechanical Engineering education, research and be a recognized resource center for industry and society

MISSION

M1:To make the students understand the basic and advanced Engineering concepts in the core fields of Mechanical Engineering through Under-Graduate and Post-Graduate Courses.

M2:To prepare the students and expose them to the basic and applied research, thus fostering creativity through recognized research centers.

M3:To make the students undergo training in the Industries, identify the current problems and solve them with multidisciplinary and professional approach.

M4:To prepare the students to integrate Engineering with business that encourages technological commercialization by inviting eminent entrepreneurs for seminars and workshops.

M5:To make the students do application oriented projects which identify the current problems, solving them and thus contribute to the societal needs.

M6:To inculcate the value of ethics, lifelong learning and widening the knowledge frontiers through long term interaction with other academia and industry.

PROGRAM OUTCOMES (PO)

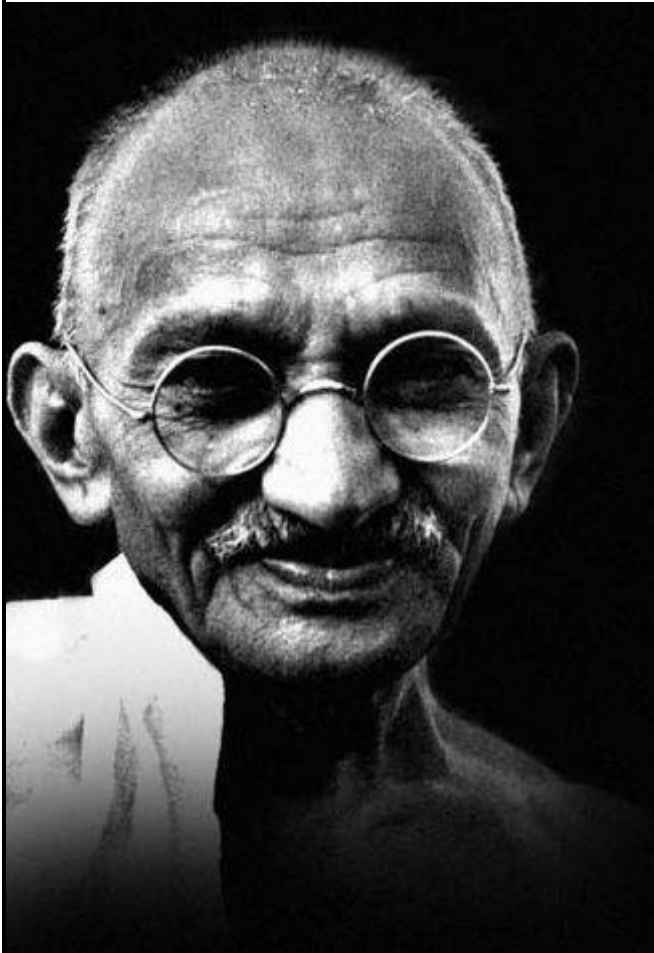
- PO1: Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO2: Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3: Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO4: Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO5: Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- PO6: The Engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent
- PO7: Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8: Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9: Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10: Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO11: Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO12: Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

- PEO1:** Our graduates will have fundamental technical knowledge and develop core competency in diversified areas of Mechanical Engineering along with Mathematics, Science and other allied engineering subjects in a view to expand the knowledge horizon and inculcate lifelong learning.
- PEO2:** A fraction of our graduates will pursue advanced studies, research and develop products in the field of Mechanical engineering by developing partnerships with industrial and research agencies thereby serving the needs of the industry, government, society and scientific community.
- PEO3:** Our graduates will be capable of building their own career upon a solid foundation of knowledge and with a strong sense of responsibility serve their profession and society ethically.
- PEO4:** Our graduates will be prolific professionals with effective communication, leadership, teaming, problem solving, decision making skills by understanding contemporary issues and improve their overall personality for career development

PROGRAM SPECIFIC OUTCOMES (PSOs)

- PSO1:** Students will be competent in design and analysis of thermal and fluid systems.
- PSO2:** Students will possess the skill to apply design concepts for mechanical structures and systems.
- PSO3:** Students will be able to design and develop industrial products using modern machines in the field of manufacturing.
- PSO4:** Students will be able to use software to solve structural, thermal, fluid and manufacturing problems.

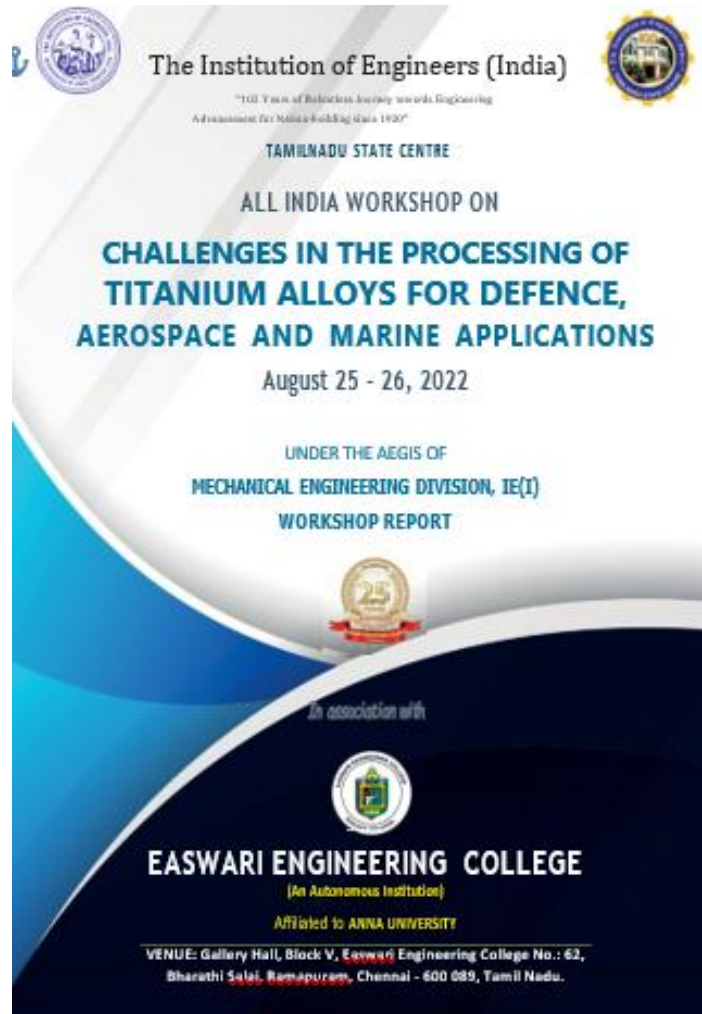


Live as if you were to die tomorrow.
Learn as if you were to live forever.

-Mahatma Gandhi

+Alireza Yavari

Event No	Date	Event	Remarks
EEC/DME/040	25.08.2022 - 26.08.2022	IEI Sponsored seminar on Titanium Alloys	Mr.Ramadoss, Professor, Department of Mechanical Engineering, Easwari Engineering College
EEC/DME/041	15.09.2022	FUTSAL Competition (ISHRAE)	Dr. V. Antony Aroul Raj, Professor, Department of Mechanical Engineering
EEC/DME/042	15.09.2022	Quizophile HVAC & R (ISHRAE)	Dr. V. Antony Aroul Raj, Professor, Department of Mechanical Engineering
EEC/DME/043	16.09.2022	Student Chapter Inauguration (ISHRAE)	Dr. V. Antony Aroul Raj, Professor, Department of Mechanical Engineering
EEC/DME/044	16.09.2022	Career opportunities & Requirements of HVAC industry	Dr. V. Antony Aroul Raj, Professor, Department of Mechanical Engineering
EEC/DME/045	27.09.2022	Industrial Visit to IITM research Park	Dr.M.Babu Assistant Professor, Department of Mechanical Engineering



The Institution of Engineers (India) has sponsored a **Two days Workshop on “Challenges in the processing of titanium alloys for Defence, Aerospace and Marine Applications”** at Easwari Engineering College, Ramapuram during 25th August 2022 to 26th August 2022 from 09:30 AM to 3:45 PM exclusively for the Students, Research Scholars, Faculty members and Industry persons.



Inauguration by the Chief Guests Er. S. Kannan FIE and Er. R. Ramadoss FIE.



Welcome address by HOD of Mechanical Engineering Department



**Presidential address by the Principal
Felicitation address by the Vice Principal.**



**Inaugural Address by Er. S. Kannan
and Er. R. Ramadoss (Right Side)**

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STUDENTS ISHRAE

ISHRAE STUDENT CHAPTER

FUTSAL
4 X 4 Football Competition

On Celebrating ISHRAE Students Day
For EEC ISHRAE students

📅 15.09.2022 10.00 am Onwards
📍 Volleyball Court, EEC

Registration Link: [Google Forms https://shorturl.at/ffJ14](https://shorturl.at/ffJ14)

Convenors: Dr. M. Vetrivel Sezhian, Prof. & Head / Mech
Dr. V. Antony Aroul Raj, Professor / Mech

Faculty Co-ordinators: Mr. S. Thiagarajan, Asst. Prof. / Mech
Mr. J. Paulmar Pushparaj, Asst. Prof. / Mech

Student Co-ordinators: Mr. Athreyan

DEPARTMENT OF MECHANICAL ENGINEERING

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ISHRAE Student chapter of Easwari Engineering College conducted a 4x4 football games of various ICC colleges on 15th September 2022 from 10.00 am to 12.30 am exclusively ISHRAE registered Students.





The poster is for an online quiz event. At the top left is the Easwari Engineering College logo, which includes the text 'EASWARI ENGINEERING COLLEGE', 'An AUTONOMOUS Institution', 'Affiliated to ANNA UNIVERSITY', and 'RAMAPURAM, CHENNAI'. To its right is the 'STUDENTS ISHRAE' logo. Further right is a gold circular emblem with the number '25' and the text '25th Anniversary'. Below these logos is a blue banner that reads 'ISHRAE STUDENT CHAPTER'. The main title 'QUIZOPHILE HVAC & R' is in large, bold, red letters. Below the title, it says 'On Celebrating ISHRAE Students Day' and 'For EEC ISHRAE students'. The date and time are '15.09.2022 | 2.30 pm to 3.30 pm', and the location is 'MMM Lab, 4th floor, Mech Block'. A registration link is provided: 'Registration Link: Google Forms <https://forms.gle/PQ7sgPC2xE7dt2sLA>'. A QR code is labeled '[Scan to Register]'. The convenors are 'Dr. M. Vetrivel Sezhian, Prof. & Head / Mech' and 'Dr. V. Antony Aroul Raj, Professor / Mech'. Faculty co-ordinators are 'Mr. S. Thiagarajan, Asst. Prof. / Mech' and 'Mr. J. Paulmar Pushparaj, Asst. Prof. / Mech'. Student co-ordinators are 'B. DIVAKAR & HARISH. V'. At the bottom, it says 'DEPARTMENT OF MECHANICAL ENGINEERING' and lists social media handles: '@SRMEaswariOfficial', '@srmeaswari', '/srm_easwari', and 'srmeaswari.ac.in'.

ISHRAE Student Chapter of Easwari Engineering College conducted an online Quiz event on the account of ISHRAE Student's Day on the topic HVACR during 15th September 2022 from 2.30 pm to 3.30 pm exclusively of ISHRAE students of Easwari Engineering College.





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**The Indian Society of Heating, Refrigerating
and Air Conditioning Engineers – (ISHRAE)**
Cordially invites you to the
Installation Ceremony of
ISHRAE STUDENT CHAPTER

📅 16.09.2022 | 2.30 pm to 4.30 pm 📍 TRP Auditorium, EEC

INSTALLATION OFFICER
Mr. A. FERNO SUSAI
President ISHRAE Chennai Chapter (2022-2023)
Founder & Managing Director
Air Design Engineering Solutions Pvt.LTD., 2022-2023

Convenors: **Dr. M. Vetrivel Sezhian**, Prof. & Head / Mech
Dr. V. Antony Aroul Raj, Professor / Mech

Faculty Co-ordinators: **Mr. S. Thiagarajan**, Asst. Prof. / Mech
Mr. J. Paulmar Pushparaj, Asst. Prof. / Mech

Student Co-ordinators: **Mr. R. Kamalesh Kumar & Mr. Mohamed Saahil**

DEPARTMENT OF MECHANICAL ENGINEERING

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Guest Speaker/s With Affiliation	: Mr. Ferno Susai, President Elect Chennai Chapter Mr. Bala krishnan, Past President, Chennai Chapter Dr. G.S. Anandamala, IQAC Coordinator, Easwari Engineering College Dr. M. Vetrivel Sezhian, Head of Mechanical Department Dr. Dr.S.Lavanya Prabha, Head of Civil Department
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Career opportunities & Requirements of HVAC industry



ISHRAE Student chapter from the Department of Mechanical Engineering of Easwari Engineering College conducted an Expert Talk on the topic, Career opportunities & Requirements of HVAC industry on 16.09.2022 from 3.30 pm at TRP auditorium, Easwari Engineering College.





Type : Industrial Visit
Industry Name : ZEDBEE Technologies, IITM Research Park, Chennai
Date : 27th September 2022

ISHRAE Student Chapter of Easwari Engineering College conducted an Industrial Visit at ZEDBEE Technologies, IITM Research Park, Chennai during 27th September 2022 from 9.30 am to 1.30 pm exclusively of ISHRAE students of Easwari Engineering College. The participants 39 students attended this event.





PLACEMENT

Department of MECHANICAL Engineering – Academic year 2021-22 (Batch: 2018 – 2022)				
S. No	Name of the Student Placed	Enrollment No.	Name of the Employer	Appointment reference no.
	SUBHASH N	310618114112	ACCENTURE	C10951776/2022
	M ABDUL BAASITH	310618114002	ASHOK LEYLAND	114002/12.0
	S. HARISHRAJ	310618114032	ASHOK LEYLAND	114032/12.0
	KOUSIHARAAJ	310618114052	ASHOK LEYLAND	114052/12.0
	V.MALOLA KRISHNAN	310618114058	ASHOK LEYLAND	114058/12.0
	AADITYA P	310618114001	CARBORUNDUM (CUMI)	114001/11.0
	K. KARTHIK	310618114041	CARBORUNDUM (CUMI)	114041/11.0
	SANDEEP J	310618114097	CARBORUNDUM (CUMI)	114097/11.0
	SRINIVASAAN	310618114110	CARBORUNDUM (CUMI)	114110/11.0
	S.RESWANTH	310618114326	CARBORUNDUM (CUMI)	114326/11.0
	AKASH. T	310618114302	ASHOK LEYLAND	114302/12.0
	KOUSIHARAAJ	310618114052	DECATHLON	114052/06.1
	THARUN A	310618114118	ELGI EQUIPMENTS	114118/26.0
	KRISHAN JOSEF JB	310618114054	AVANT-GARDE SYSTEMS	SC/2022/ADI/25.04.22
	PANDIYARAJAN. K	310618114073	AVANT-GARDE SYSTEMS	SC/2022/ADI/25.04.22
	KISHORE.S	310618114319	AVANT-GARDE SYSTEMS	SC/2022/ADI/25.04.22
	PREMRAJ.N	310618114080	ALKRAFT THERMOTECH	114080/31.0
	SUBASH P	310618114331	ALKRAFT THERMOTECH	114331/31.0
	J ROSHAN	310618114094	ALKRAFT THERMOTECH	114094/31.0
	KABEERR.M	310618114038	DATA PATTERN	114038/01.0
	MOHAN RAJ	310618114067	DATA PATTERN	114067/01.0
	THARUN A	310618114118	DATA PATTERN	114118/01.0
	HAREESH R	310618114029	BOTREE SOFTWARE	114029/20.1
	P.K.PARTHIBAN	310618114074	BOTREE SOFTWARE	114074/20.1
	RAJBHARATH .S	310618114091	BOTREE SOFTWARE	114091/20.1
	ARUN.G	310618114010	INFOSYS	HRD/3T/100/28.03.22
	C.ISHANTH SHANKAR	310618114033	INFOSYS	HRD/3T/100/28.03.22
	SHAHEEN SALAHUDEEN H	310618114102	INFOSYS	HRD/3T/100/28.03.22
	SUDHARSAN.C	310618114332	BYJUS LEARNING	114332/18.0
	AHAMED MUSTHAFA.K	310618114004	CTS	114004/13.0
	G N AJITSAM	310618114005	CTS	114005/13.0
	S. BALAJI	310618114014	CTS	114014/13.0
	BHARATH.S	310618114015	CTS	114015/13.0

	S. ROHIT KRISHNAN	310618114093	SUTHERLAND (NV)	114093/17.0:
	SRE HARI N	310618114108	SUTHERLAND (NV)	114108/17.0:
	VIGNESH P	310618114121	SUTHERLAND (NV)	114121/17.0:
	YASHWANTH NARAYA. S	310618114127	SUTHERLAND (NV)	114127/17.0:
	YUVARAJ .P	310618114130	SUTHERLAND (NV)	114130/17.0:
	RADHAKRISHNAN NAIR	310618114084	NSK BEARINGS INDIA	114084/07.0:
	BHAVANKALYAN M	310618114016	OLA FLEET TECHNOLOGIES	114016/28.0:
	MATHIAZAGAN. S	310618114061	OMEGA HEALTHCARE	114061/28.0:
	NITHISH KUMAR.K	310618114072	TCS NINJA	TCSL/CT20: 11/04.11.21
.	S.PRAGADEESHWARAN	310618114076	TCS NINJA	TCSL/CT20: 84/04.11.21
.	V. PRANAVI	310620408002	TCS NINJA	TCSL/CT20: 02/04.11.21
.	JAI SHANKAR.S	310618114035	TORRENT GAS	114035/02.0:
.	M.PRAVEEN KUMAR	310618114078	TORRENT GAS	114078/02.0:
.	ARAVINDAKRISHNAN.R	310618114305	TORRENT GAS	114305/11.0:
.	SHARVESH R	310618114104	TORRENT GAS	114104/25.0:
.	NARESH B	310618114068	PINNACLE INFOTECH	29447118/28
.	B.ROGITH	310618114327	PINNACLE INFOTECH	29446963/28
.	SIVAPERUMAL P	310618114107	PINNACLE INFOTECH	29449480/28
.	VIGNESH R	310618114122	PINNACLE INFOTECH	29448950/28
.	K.VINOTH	310618114123	PINNACLE INFOTECH	29449327/28
.	LOKESH SRINIVAS S	310618114057	TVS SUNDARAM FASTENERS	114057/04.0:
.	PRITHIVI RAJ R	310618114082	TVS SUNDARAM FASTENERS	114082/04.0:
.	T A PURUSHOTH	310618114083	TVS SUNDARAM FASTENERS	114083/04.0:
.	RAGUL.M	310618114086	TVS SUNDARAM FASTENERS	114086/04.0:
.	YASHVANTH.R	310618114125	TVS SUNDARAM FASTENERS	114125/04.0:
.	RAGULADHITHYA K S	310618114087	TVS SUPPLY CHAIN SOLUTION	114087/15.0:
.	S.YASHWANTH	310618114126	TVS SUPPLY CHAIN SOLUTION	114126/15.0:
.	PRASANNA M	310618114077	URJANET SOFTWARE	114077/27.0:
.	K.RAJARAJAN	310618114090	TUBE PRODUCT OF INDIA	114090/14.1:
.	G SWATHI	310618114117	RENAULT NISSIAN	17446/17.06.
.	T.DINESHKUMAR	310618114026	SATYAM VENTURE ENGG	120924822/2
.	ANANTHA KRISHNAN	310618114009	SIMTEX TECHNOLOGIES	114009/24.0:
.	RAHUL ANAND. G	310618114089	WIPRO TECHNOLOGIES	114089/21.0:
.	R.SANTHANA PRAKASH	310618114099	WIPRO TECHNOLOGIES	114099/21.0:
.	P.SATHYANDRA KUMAR	310618114101	WIPRO TECHNOLOGIES	114101/21.0:
.	A AJITH	310618114301	WIPRO TECHNOLOGIES	114301/21.0:
.	PRAVEEN KUMAR S	310618114079	ZOHO CORPORATION	114079/16.1

Faculty Publications July – September 2022

Sl. No.	Name of the faculty	Research Paper Title	Index	Impact factor	Month & Year	Volume/ Issue/ Pg. no.	Journal Name
1	K. Giridharan	Friction stir processing of nanofiller assisted AISI 1010 steel-CDA 101 copper dissimilar welds: a strength factor approach	SCI	0.94	July2022	Volume 119	Metallurgical & Research Technology
2	Dr. K.G Ashok	Energy absorption performance of Kevlar/snake grass fiber composites under ballistic impact test with nano Al ₂ O ₃ inclusion	SCI	5.2	July2022	Volume 43 Issue 9	Polymer composites
3	Dr. S. Suyambazhahan	Computational Analysis of Thermal striping in primary sodium system of liquid metal fast breeder reactor using finite volume method	SCI	1.46	August2022	Volume 197 Issue 03	Nuclear Science and Engineering
4	Dr. K.G Ashok	Calotropis gigantea stem fiber reinforced thermoset plastics: Interlaminar shear strength and related tribo-mechanical properties	SCI	2.66	September 2022	Volume 237 Issue 04	Journal of Materials: Design and Applications
5	Dr. M. Naresh Babu	Investigation of the characteristic properties of graphene-based nanofluid and its effect on the turning performance of Hastelloy C276 alloy	SCI	5	September 2022	Volume 15 Issue 01	Wear



THANK YOU

