



**EASWARI  
ENGINEERING COLLEGE**

An AUTONOMOUS Institution  
Affiliated to ANNA UNIVERSITY

**RAMAPURAM CHENNAI**

**DEPARTMENT OF**  
**MECHANICAL ENGINEERING**

**NEWS**

**LETTER**

**OCTOBER - DECEMBER**  
**2021**

**STUDENT EDITORS**

Vignesh K 310619114103

Siddhesh Pillai G 310620114072

Tawfeeq Hussain A 310620114080



## **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.

# EASWARI ENGINEERING COLLEGE

## Department of Mechanical Engineering

### List of Events (2021)

Event No	Date	Event	Remarks
EEC/DME/018	08.10.21 - 09.10.21	Two days webinar on Energy Simulation in Buildings	Resource Person : Dr. V. Antony Aroul Raj, Professor, Department of Mechanical Engineering, Easwari Engineering College
EEC/DME/019	10.10.21	A webinar on Thermal Product Development using Simulation Driver Design	Guest Speaker: Mr. Mahendrarvarman Radha, Assistant manager (Evaluation and Analysis Group) Daikin Air Conditioning India Pvt. Ltd (R&D)
EEC/DME/020	29.10.21	International Webinar on Additive manufacturing	Mr.S.Mohan Raj, Research Scholar, Lodz University, Poland
EEC/DME/021	30.10.21	Acing Mechanical job Interviews	Mr.R.Rajesh, Director, Fujitec India
EEC/DME/022	10.11.21	Let's Debate [An awareness event on World Science Day for Peace and Development]	Debate competition of students

EEC/DME/02 3	10.11.2 1	Quiz-O-phile [An awareness Quiz event on World Science Day for Peace and Development]	Quiz competition of students
EEC/DME/02 4	09.12.2 1	Debate : INDUSTRIALIZATION VS ENVIRONMENT	Dr. K.R. Suresh Kumar and Dr D. Peter Puspanathan judged the event
EEC/DME/02 5	27.11.2 1	Automotive products- Design and development	Mr.B.Balaji, Manager, Vendor development, Hyundai Mobis India
EEC/DME/02 6	18.12.2 1	CLUELINK – Connection Competition	Interactive event for students
EEC/DME/02 7	18.12.2 1	FUTSAL – 3x3 Football Competition	Football competition for students
EEC/DME/02 8	18.12.2 1	Shipwreck – Role Play Competition	Role play event for students
EEC/DME/02 9	16.12.2 1	DRDO/CVRDE Sponsored Special Lecture Program	Dignitaries Dr.S.Krishnakumar,Senior Technical officer,CVRDE, Dr.K.Ravichandran,Scientist t-E, Robotics Division, Dr.B.Venkatachalapathay, Dean Research, SRM Group of Institutions, Dr. R. S. Kumar, Principal, EEC

# WORKSHOP

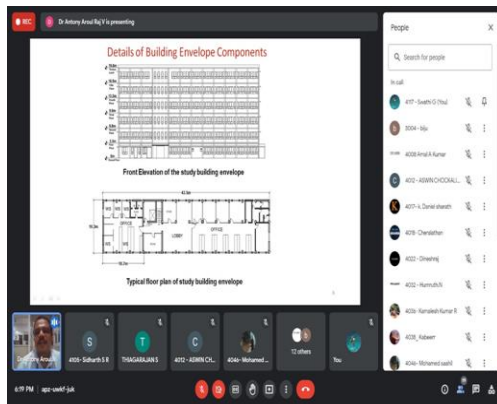
## **“Two days webinar on Energy Simulation in Buildings”**

ISHRAE Student chapter of Easwari Engineering College conducted **Two Days special webinar on Energy Simulation in Buildings** during 08th October 2021 to 09th October 2021 from 6.30 pm to 7.30 pm.

This event is exclusively for the NSDC and Solar Decathlon registered EEC Students. The event was conducted online mode and about 35 participants from Easwari Engineering College attended this event actively. The event was graced by HOD, Department of Mechanical Engineering. Principal and Vice Principal gave the presidential address whereas Dr. V. Antony Aroul Raj deliberated the importance of the workshop in the current scenario.

## Day 1 (08.10.2021):

The objective of the workshop was to nurture the basics of Building models and Solar energy interactions and its effects. Basic Energy Simulation of Delhi site is selected and energy simulation is performed. During the session, the presenter discussed the possible ways to reduce the consumption and usage of electrical power by changing the model orientations. And it was continued by the discussion about the building materials and glazing types used.

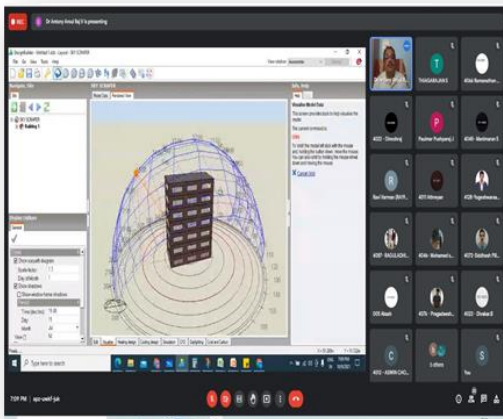


Then he discussed about solar orientation to attain net zero energy goals, as they have significant impact on energy efficiency of the

buildings, by harnessing Sun and prevailing winds to our advantage. Followed by that there was an overview about design builder software and the drawings.



On the second day, a discussion about sun path diagram is discussed as it helps in reducing both heat and cooling loads while designing a building. The discussion on sun path diagram was followed by an explanatory session on the Energy performance index by which he concluded that it as the most relevant indicator for qualifying a building as energy efficient building.



Then he rendered the diagram in design software and did a simulation on less power-consuming building with a summary of values, orientation, and materials used and concluded by producing the energy performance index which is needed. The session was made interactive and it was a great experience for students and gave an idea on energy simulation.

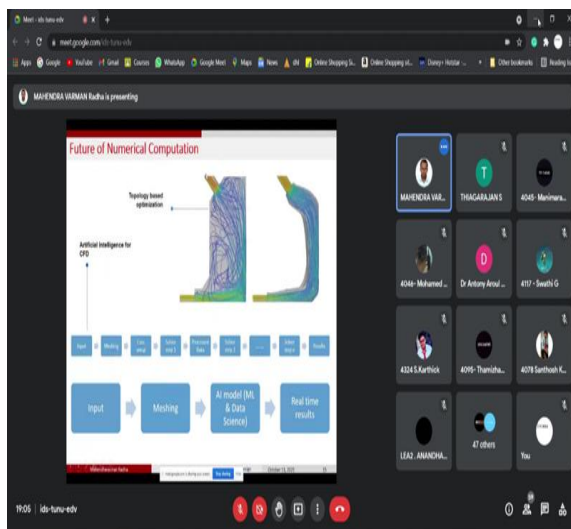
**“A webinar on  
Thermal Product  
Development  
using Simulation  
Driver Design”**

ISHRAE Student chapter of Easwari Engineering College conducted a webinar on Thermal Product Development using Simulation Driver Design on **10th October** 2021 from 6.30 pm to 7.30 pm exclusively ISHRAE registered EEC Students

The event was conducted online mode and about 97 participants from Easwari Engineering College attended this event actively. The event was graced by HOD, Department of Mechanical Engineering.

The principal and Vice Principal gave the presidential address whereas **Dr. V. Antony Aroul Raj** deliberated on the importance of the workshop in the current scenario. The objective of the webinar was to understand how a Thermal Product is developed using Stimulation Driver Design.

During the session, the presenter started with Industrial Revolution (Industry 1.0 to 4.0) and started to explain about the benefits of Industry 4.0 The product development discussion was followed by a discussion on Fluid and Thermodynamic simulation, what is the need of simulation;



Computational fluid analysis as it helps in quantitative predictions of fluid flow phenomena based on conservation laws. Then he explained the SDD and the importance of CFD.

It was followed by an explanatory session on Exhaust systems. Then the presenter talked about Thermal performance study and Flow performance study followed by an overview.



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**LIVE WEBINAR**

**THERMAL PRODUCT  
DEVELOPMENT  
USING SIMULATION  
DRIVEN DESIGN**




**DEPARTMENT OF  
MECHANICAL ENGINEERING**



**SPEAKER**

**Mr. MAHENDRAVARMAN RADHA**  
Assistant Manager (Evaluation & Analysis Group)  
DAIKIN Air Conditioning India Pvt. Ltd. (R&D Centre)

 **11<sup>th</sup> October 2021**  
 **6.30 PM - 7.30 PM**



**PLATFORM LINK**  Google Meet

<https://meet.google.com/ids-tunu-edv>

**CONTACT**

**FACULTY IN CHARGE**  
Mr. S. THIAGARAJAN, Asst.Prof.  
Mr. J. PAULMER PUSHPARAJ, Asst.Prof.

**STUDENT IN CHARGE**  
Mr. S MANIMARAN, III year  
Mr. G M RAMANATHAN, III year

[mech.srmeaswari.ac.in](http://mech.srmeaswari.ac.in)

<https://ishrae.in/>



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**DEPARTMENT OF  
MECHANICAL ENGINEERING**



**▶ WEBINAR**

**International Webinar on  
ADDITIVE MANUFACTURING**

 **29.10.2021**

 **2.30 p.m.**



**Mr. S. MOHANRAJ**  
Research Scholar  
Lodz University of Technology  
Lodz Poland (Alumni (2014 - 2018))

 <https://meet.google.com/dbw-sdic-spb>

**CONVENOR**  
**Dr.M.Vetrivel Sezhian**  
Professor & Head / Mech

**COORDINATORS**  
**Dr. D. Ajith**  
Associate Professor / Mech

**Mrs.K K Naga Chandrika**  
Assistant Professor / Mech

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RAMAPURAYACHENNAI



Department of  
**Mechanical  
Engineering**

30.10.2021

10.30 a.m. - 11.30 a.m

**WEBINAR**

## Acing Mechanical Job Interviews

CONVENOR

**Dr.M.Vetrivel Sezhian**

Professor & Head / Mech

COORDINATORS

**Mr. M. Raju**

Assistant Professor / Mech

**Dr. D. Peter Pushpanathan**

Assistant Professor / Mech



**Mr. RAJESH. R**

Director, Factory at Fujitec India

<https://meet.google.com/oct-rzbh-qir>

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RAMAPURAYACHENNAI

**STUDENTS  
ISHRAE**

**LAKSHYA**  
LAKSHYA  
LAKSHYA



**DEPARTMENT OF MECHANICAL ENGINEERING  
ISHRAE STUDENT CHAPTER  
PRESENTS**

LET'S  
**DEBATE** ON  
IS TECHNOLOGY HELPING PEOPLE  
OR MAKING THEM LAZY?

**DATE: 10 | 11 | 2021**

**TIME: 06:30 PM-07:30 PM**

**REGISTRATION LINK:**

**[HTTPS://FORMS.GLE/FTF5EQWMURCFEUK78](https://forms.gle/FTF5EQWMURCFEUK78)**



**FOR FURTHER QUERIES**

**STUDENT COORDINATORS**

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**Mr. Dhachanamoorthy V**  
+91 8678940993



**FACULTY COORDINATORS**

**Mr. S. Thiagarajan**  
ASST.PROF./ MECH  
**Mr. J. Paulmer Pushparaj**  
ASST.PROF./ MECH

[mech.srmeaswari.ac.in](http://mech.srmeaswari.ac.in)

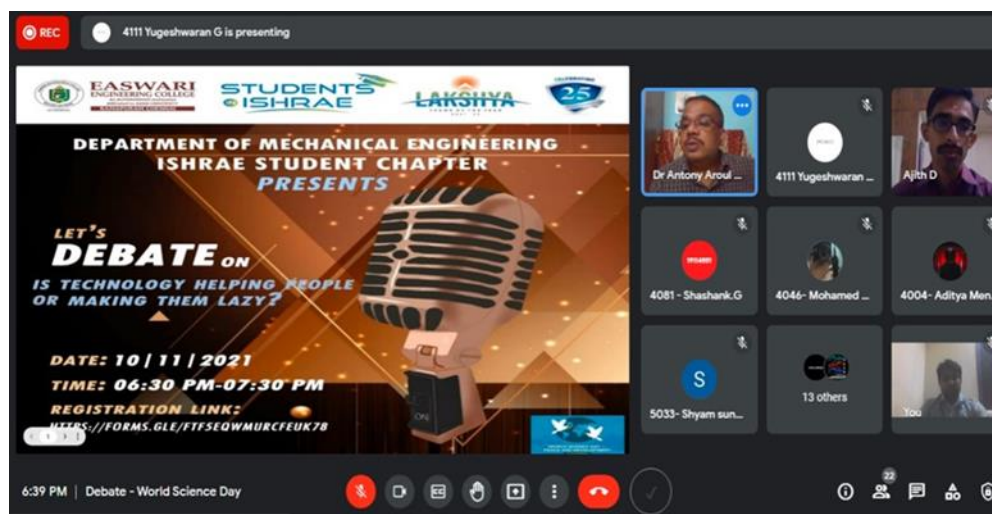
srmeaswari

SRM Easwari Engineering College

## “Let’s Debate (An awareness Quiz event on World Science Day for Peace and Development)”

ISHRAE Student chapter of Easwari Engineering College conducted Let’s Debate -” Is Technology helping people or making them lazy?” on 10th November 2021 from 6.30 pm to 7.30 pm exclusively for the students of Easwari Engineering

College. The event was conducted online mode and about 20 participants from Easwari Engineering College attended this event actively. The event was graced by HOD, Department of Mechanical Engineering. Dr. V. Antony Aroul Raj deliberated the Importance of Science and Technology in the current scenario



The objective of the event was to nurture the basics of technology and its effects. Dr. Ajith looked after the event as Jury of the day. During the session, the participants were divided into two teams Team A made their points on Technology helping people and Team B opposed and made their points on Technology making people lazy. After all the points made by the participants, Jury gave a small justification for their points and selected six winners who came out with their points very well. Certificates for participants and winners were issued after the event.

**EASWARI ENGINEERING COLLEGE**  
An ISO 9001:2015 Certified Institution  
SRM Institute of Science and Technology

**STUDENTS ISHRAE**

**LAKSHYA**  
WISDOM OF THE YEAR

**CELEBRATING 25**

**DEPARTMENT OF MECHANICAL ENGINEERING  
ISHRAE STUDENT CHAPTER  
PRESENTS  
DEBATE ON  
IS TECHNOLOGY HELPING PEOPLE OR MAKING THEM LAZY?  
WINNERS!**

**BEST SPEAKER  
ADITYA MENON  
II YEAR MECHANICAL**

**BEST FACT COLLECTOR  
SRIRAM M  
II YEAR MECHANICAL**

**BEST DEFENDER  
SHASHANK G  
III YEAR MECHANICAL**

**BEST STRIKER  
VITHEESHWAR R  
III YEAR MECHANICAL**

**BEST CONTENT DELIVER  
LOKESH R  
II YEAR MECHANICAL**

**BEST STARTER  
MOHAMED SAAHIL A  
III YEAR MECHANICAL**

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# **Quiz-O-phile**





## **[An awareness Quiz event on World Science Day for Peace & Development]**

ISHRAE Student Chapter of Easwari Engineering College conducted an online Quiz event on the account of **World Science Day** in the topic **Peace and Development** during **10th November 2021** from **5:30 pm to 6:30 pm** exclusively of students of Easwari Engineering College.

The event was conducted in online and about participants 94 students attended this event through Google forms. The objective of the Quiz is to celebrate World Science Day in a knowledgeable way. A Google form was created to attend the quiz of 30 questions in a time period of 25 minutes



# WINNERS







**DEPARTMENT OF MECHANICAL ENGINEERING  
ISHRAE STUDENT CHAPTER  
PRESENTS**



**QUIZ-O-PHILE**  
**[ A QUIZ COMPETITION ]**

*"As engineers, we were going to be in a position to change the world – not just study it."*



**TOPIC : PEACE AND DEVELOPMENT**  
**DATE : 10/11/2021      TIME : 5.30 TO 6.30PM**  
**REGISTRATION LINK:**  
<https://forms.gle/jsTSeLb3j94r7fQt8>

**FOR FURTHER QUERIES:**

<u>STUDENT COORDINATORS</u>	<u>STAFF COORDINATORS</u>
Mr. V. Dhachanamoorthy - +91 86789 40993	Mr. J. Paulmer Pushparaj ASST.PROF/MECH
Mr. G. Yugeshwaran - +91 86675 00815	Mr. D. Prabhakaran ASST.PROF/MECH

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**Society Of Mechanical Engineers (SME)**  
**PRESENTS Webinar on**



**AUTOMOTIVE PRODUCTS  
DESIGN AND DEVELOPMENT**

**27.11.2021      TIME: 10.00 AM to 11.00 AM**



**Mr. B. BALAJI**  
Manager – Vendor Development  
Strategic Sourcing, Part Development  
HYUNDAI MOBIS INDIA LTD , Chennai.

<https://meet.google.com/yxa-kcgd-gia>

<u>CONVENOR</u>	<u>COORDINATORS</u>
Dr.M.Vetrivel Sezhian, Prof. & Head / MECH	Mr.B.Gopinath,Asst.Professor / MECH Mr.G.Chakravarthi,Asst. Professor / MECH

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# “INDUSTRIALIZATION VS ENVIRONMENT”

On account of ISHRAE day (09.12.2021), a debate competition was conducted exclusively for ISHRAE members of Easwari Engineering College. The Student Event Coordinators, Ms. Niranjana Devi S and Mr. Ahamed Mustafa M organized the event. The topic for the debate was **Industrialization Vs Environment**. The welcome speech was given by Ms. Swathi G, Student President Elect, EEC ISHRAE Student Chapter. Dr. M Vetrivel Sezhian, HOD Mechanical Engineering, Easwari Engineering College and Dr. V. Antony Aroul Raj, Professor inaugurated the event with felicitated addresses.



Our prestigious faculty members, Dr. KR. Suresh and Dr D. Peter Puspanathan sir were invited as Judges. Two groups of students debated for Industrialization and Environment. Around 26 students actively participated. The students proved their points in such a manner that the audience was convinced. Some of the points even made us think about the facts The competition was worth-enjoying for the audience. Every debater was cheered and clapped up for their pleasing presentation and sharp arguments. There were so many notable points presented by each team and the final decision was up to judges.

At the end of the event judges declared

1. MR KIRIPA HARI AS BEST SPEAKER
2. MR NISHANTH AS BEST STRIKER
3. MR DANIEL AS BEST FACT COLLECTOR,
4. MR AMAL AS BEST CONTENT DELIVERER,
5. MR NAVEEN AS BEST DEFENDER AND
6. MR HARISH AS BEST STARTER.

AND FINALLY THE EVENT WAS CONCLUDED WITH POSITIVE COMMENTS.

# CLUELINK – Connection Competition

ISHRAE Student chapter of Easwari Engineering College conducted a CLUELINK – Connection Competition on 18<sup>th</sup> December 2021 from 2.30 pm to 4.00 pm exclusively ISHRAE registered Students.

The event was non-technical Connection Fun Competition. The team contains two members. About 16 teams attended this event actively. The event was graced by HOD, Department of Mechanical Engineering. Principal and Vice Principal gave the presidential address whereas Mrs. Nagachandrika, Assistant Professor deliberated the importance of the competition in the current scenario. The objective of the event was to create the team spirit, enthusiastic and sportiveness among the students. Many students actively enjoyed the event.





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RAMAPURAM CHENNAI

**STUDENTS**  
**IN ISHRAE**



**DEPARTMENT OF MECHANICAL ENGINEERING**  
**ISHRAE STUDENT CHAPTER**

*PRESENTS*

**CELEBRATING ISHRAE DAY**

**18.12.2021**



"HEY MESSI AND RONALDO OUT THERE, ITS TIME TO GET TO THE ARENA! BUT PLAY HARD WITH NO SWEAT. GET YOUR TEAM READY AND LET THE BATTLE BEGIN! THE GAME IS ON!"

**FUTSAL**

**SHIP  
WRECK**

"ITS ALL ABOUT PLAY TO DISPLAY PERSUATION, COMEDY AND IM PROVISATION SKILLS . TRY TO GET YOUR LIFE JACKET AND LEAVE THE JUDGES IN AWE!"

"HEY SPOTTER, CONNECT WITH LEFT PIECES AND TRY TO CLOSE THE LOOP. THE MORE FASTER PRIZE AT YOUR HAND. "

**CLUE  
LINK**

**STAFF COORDINATOR**

**MR.S.THIAGARAJAN**  
**ASST.PROF/MECH**

**MR.J.PAULMER PUSHPARAJ**  
**ASST.PROF/MECH**

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# FUTSAL 3x3 Football Competition

ISHRAE Student chapter of Easwari Engineering College conducted a 3x3 football games of various ICC colleges on 18<sup>th</sup> December 2021 from 9.00 am to 11.30 am exclusively ISHRAE registered Students

The Futsal event was 3x3 football event with students of various colleges. The team contains three members. About 16 teams attended this event actively. The event was graced by HOD, Department of Mechanical Engineering. Principal and Vice Principal gave the presidential address whereas

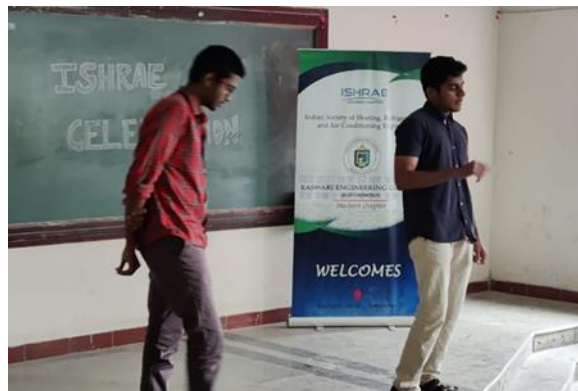


Dr. Prasana Raj Yadav, Associate Professor deliberated the importance of the competition in the current scenario. The objective of the event was to create the team spirit, enthusiastic and sportiveness among the students.

# Shipwreck – Role Play Competition

ISHRAE Student chapter of Easwari Engineering College conducted a Role Play Competition on 18<sup>th</sup> December 2021 from 1.00 pm to 2.00 pm exclusively ISHRAE registered EEC Students

The event was Shipwreck – Role Play Competition. About 22 students attended this event actively. The event was graced by HOD, Department of Mechanical Engineering, Principal and Vice principal



gave the presidential address whereas Mrs. W. Jean Ida Gunaseeli, Assistant Professor deliberated the importance of the competition in the current scenario. The objective of the event was to create the English Proficiency, creativity, enthusiastic and logical among the students. Many students actively enjoyed the event



# ACHIEVEMENTS



**EXTRA & CO - CURRICULAR ACTIVITIES FOR ACADEMIC YEAR 2020 -21**

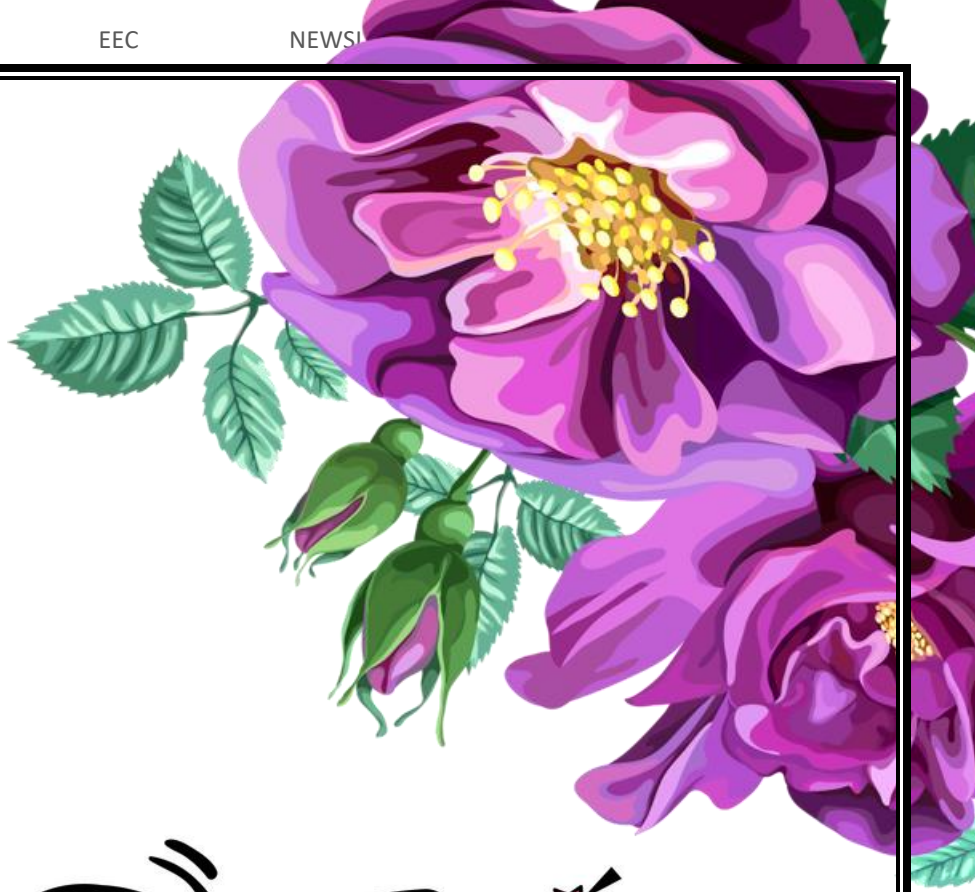
S.NO	Name of the Student	Year & Sec	Name of the Event	Name of the Institute/University/ Industry Organized	Award/ Participation	Date
46	Surendar S	IV C	2nd Virtual National Conference NCETMEA'21	SRM Institute of Science and Technology	Participation	04/ 10/ 2021
9	Kabeer M	IV	International Webinar	Easwari Engineering College	Participation	29 /10 /2021
10	Radhakrishnan Nair	IV				
11	G. Anantha Krishnan	IV				
12	S R Sidhart	IV				
13	Sharvesh R	IV				
14	Karthikeshwar K	IV				
15	Tharun A	IV				
16	Shashank.G	III				
17	Karthikeyan.B	IV				
18	K Dhanush Kumar	IV				
19	Kirish Kumar R	IV				
20	Niranjana devi S	IV				
21	Nilavarasu T	IV				
22	Chandrika.S	IV				
23	Keerthivasan.A	IV				
24	Chris Harris Vasanthan. G	IV				

**EXTRA & CO - CURRICULAR ACTIVITIES FOR ACADEMIC YEAR 2020 -21**  
**(OCTOBER - DECEMBER)**

S.NO	Name of the Student	Year	Name of the Event	Name of the Institute/University /Industry Organized	Award/ Participation	Date
27	G Swathi	IV	International Webinar	Easwari Engineering College	Participation	29 /10 /2021
25	Premraj.N	IV				
28	Karthigeyan s	IV				
29	Yogeshwaraan U	IV				
30	Srinivasan.S	IV				
31	Srikrishnan	IV				
32	Varaprasanth R	IV				
33	T. Akash	IV				
34	Sandeep J	IV				
35	Vignesh p	IV				
36	Shaheen salahudeen	IV				
37	SURYA M	IV				
38	S.Sathish Kumar	IV				
39	Kavya G V	III				
40	Arun V	III				
41	Prasaath S	III				
42	Saran G	III				
43	Aswin sundar V	III				
c	Mohan raj	IV	NSS Best Volunteer	EEC	Best Volunteer	291 2.2 021

## Faculty Publications October – December 2021

Sl. No.	Name of the faculty	Research Paper Title	Index	Impact factor	Month & Year	Volume/ Issue/ Pg. no.	Journal Name
1	Elumalai. B	Experimental investigations on $\mu$ ED milling of inconel 718 with nanoSiC abrasive mixed dielectric	SCIE	1.524	Nov-21	Volume 25	Materials Research
2	Joel.C	Evaluation of Waste Plastic Pyrolysis Oil Performance with Diethyl Ether Additive on Insulated Piston Diesel Engine	WoS	0.7	November 2021	Volume 20, Issue 5, Pages 2079-2086	Nature Environment and Pollution Technology
3	<u>Kalimuthu Gopi</u> <u>Kannan</u>	Thermodynamic and economic analysis of heat pump-assisted solar still using paraffin wax as phase change material	SCIE	4.223	Nov-21	Volume 29 , Issue 2	Environmental Science and Pollution Research
4	Prasanna Raj Yadav.S	Performance and Emission Characteristics of Pyrolysis Oil Obtained from Neem de Oiled Cake and Waste Polystyrene in a Compression Ignition Engine	SCIE	1.726	Dec-2021	Volume 2021	Advances in Materials Science and Engineering
5	Peter Pushpanathan.D.	Investigations on the properties of composite coatings electro co-deposited on AZ80 Mg alloy using triangular waveform pulse current	SCIE	2.352	Dec-21	Vole 9, Issue 4, Article No 045048	Surface Topography: Metrology and Properties



**THANK YOU**

