



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



VINAYAKA MISSION'S  
RESEARCH FOUNDATION  
(Deemed to be University under section 3 of the UGC Act 1956)



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## **DEPARTMENT OF MECHANICAL ENGINEERING**

### **4<sup>th</sup> INTERNATIONAL e-CONFERENCE**

**ON**

### **RECENT ADVANCEMENT IN MECHANICAL ENGINEERING**

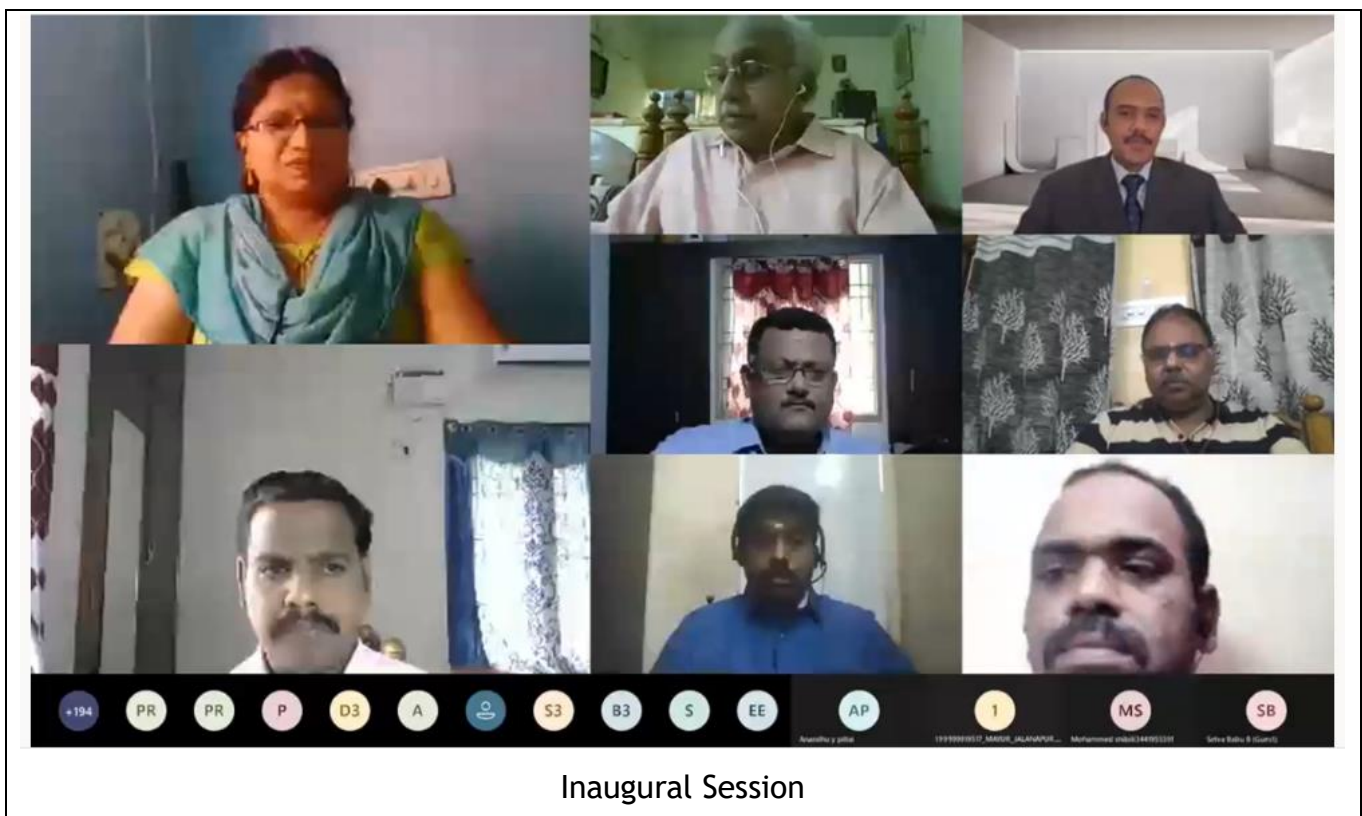
### **AND TECHNOLOGY**

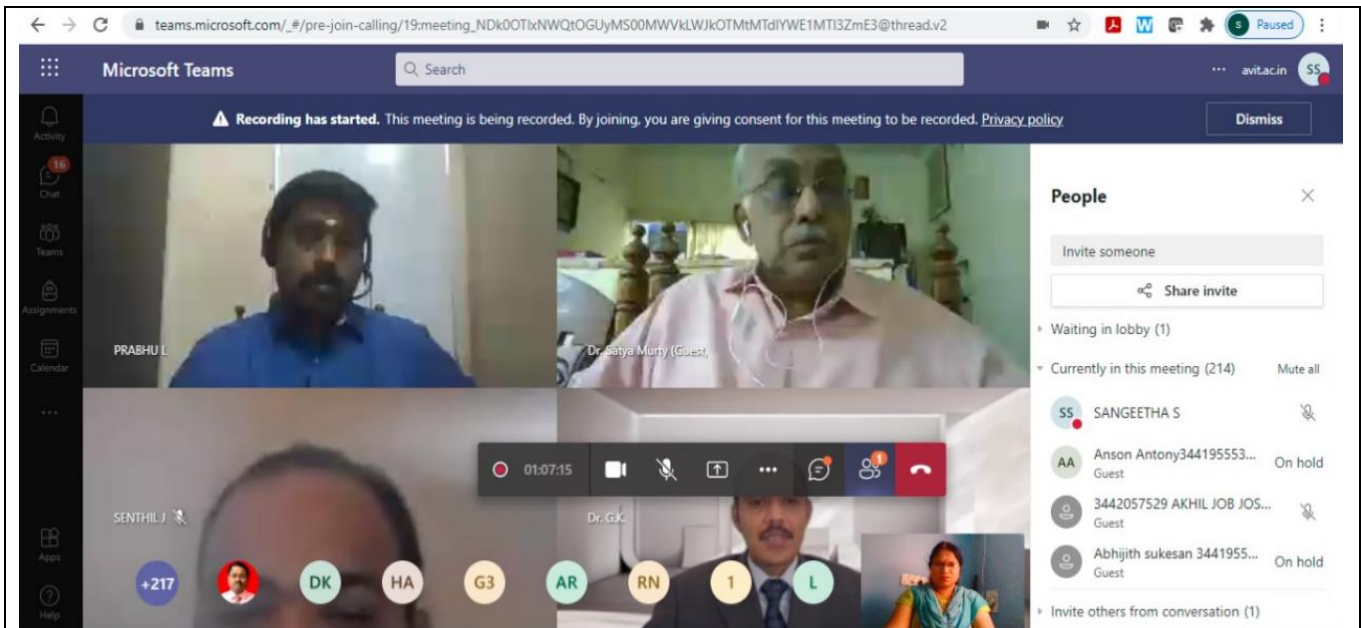
### **ICRAMET 2021**

**24<sup>th</sup> - 25<sup>th</sup> June 2021**

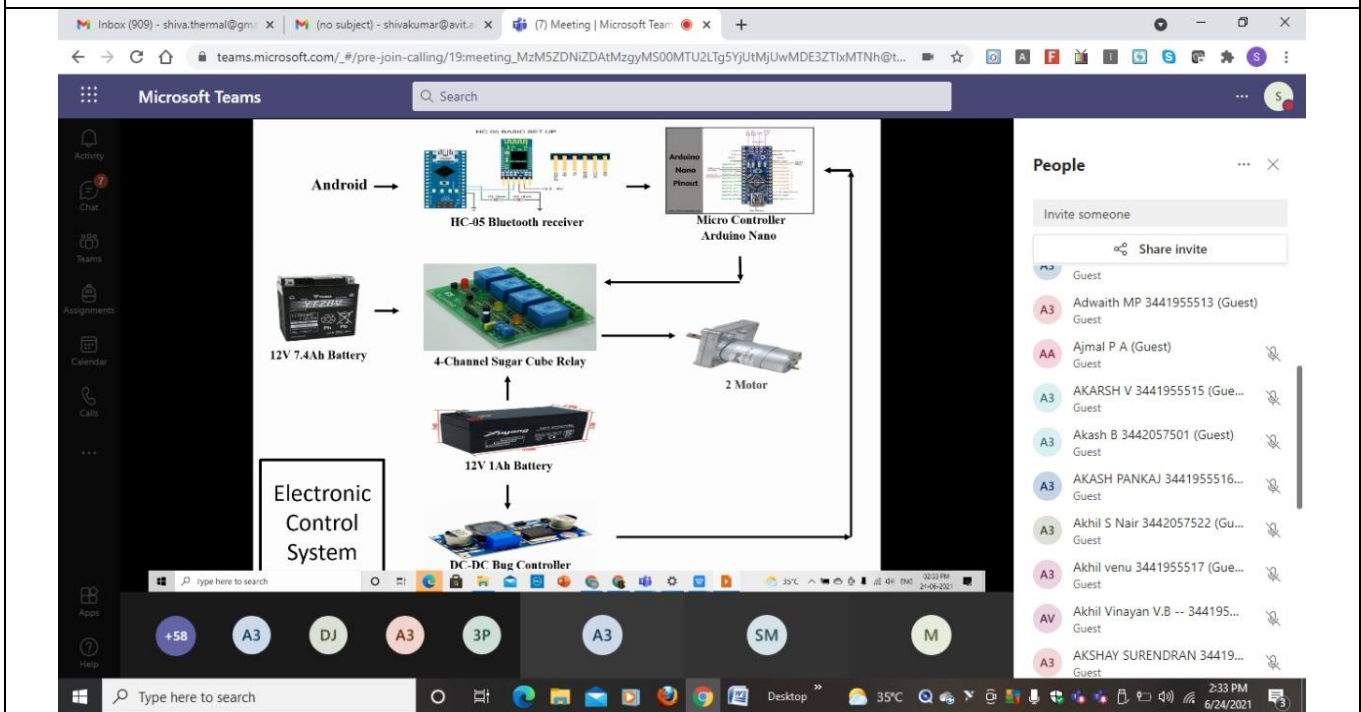
The Department of Mechanical Engineering-Aarupadai Veedu Institute of Technology (AVIT) organized 4<sup>th</sup> International e-Conference on Recent Advancement in Mechanical Engineering and Technology (ICRAMET 2021) during 24<sup>th</sup> - 25<sup>th</sup> June 2021. The primary objective of the conference is to provide a common platform for the researchers, young budding PG and UG pursuing Students and Faculty members. The two day event was well commenced with inaugural session on 24<sup>th</sup> June 2021. Dr. G.K. Vijayaraghavan, Faculty of Engineering (Mechanical), Al Jazirah Institute of Science and Technology, Abu Dhabi, UAE delivered the inaugural address and Dr.S.A.V.Satya Murty, Director, Research, VMRF-DU graced the occasion with the special address. Dr.G.Selvakumar, Principal, AVIT delivered the presidential address and conveyed his wishes. Formerly, Prof.L.Prabhu, Head, Dept. of Mechanical Engg., & VP(Admin),AVIT, Convenor-ICRAMET 2021 welcomed the audience and Dr.M.Prabhakar, Professor, Dept. of Mechanical Engg., AVIT, Convenor-ICRAMET 2021 briefed the motto of conference. Dr.S.Sangeetha, Prof., Dept. of Mechanical Engg., AVIT, Co-Convenor- ICRAMET 2021 enlightened the audience about chief guest profile. Dr.D.Vijendra Babu, Vice-Principal (Part Time Studies),AVIT felicitated the event. As a remarkable event, the Conference proceedings-Digital version was released by the guests of the day. The inaugural session was curtailed with vote of thanks from Prof.J.Senthil, Assoc. Prof., Dept. of Mechanical Engg., Co-Convenor- ICRAMET 2021. Around 152 papers were selected for conference presentations that were conducted in six sessions with key note address from eminent speakers. The sessions were categorized according to the different themes of conference. All the sessions were chaired by eminent academicians from various leading universities and colleges. Apart from the session wise best papers award, overall best papers with cash prize was also declared. The first prize of Rs. 4000/ was won by the paper titled Biological Properties of Zirconia Nanocomposite Coatings by

EBPVD for Biomaterial Applications authored by Ms. Subanithi Purnima M, Mr. Kamalan Kirubaharan, Mr.Gobi Saravanan Kaliaraj, Sathyabama Institute of Science and Technology,Chennai. The second prize of Rs. 2000/- and third prize of Rs.1000/- were bagged by the paper titled Design and Fabrication of Automatic Classroom Cleaning Robot, Mr.M. Anil Kumar, Ms.B. Chitralkha, Kakatiya Institute of Technology and Science, Warangal and Automatic Indication and Controlling of Vehicle Speed, Mr.T.Sankaramoorthy, Mr.R.Karthikeyan, R.M.K. College of Engineering and Technology, Chennai respectively. The prizes were announced in the valedictory session held on 25<sup>th</sup> June 2021 presided by Dr.G.Selvakumar, Principal, AVIT. Prof.L.Prabhu, Head, Dept. of Mechanical Engg., & VP (Admin), AVIT, Convenor-ICRAMET 2021 delivered the welcome address and Prof.P.Rajasekaran, Deputy Registrar (Admin), VMRF-DU delivered the special address. Prof.R.Praveen, Asst. Prof. (G-II), Dept. of Mechanical Engg., AVIT, Organising Secretary- ICRAMET 2021 presented the conference report and Dr.S.Prakash, Asst. Prof. (G-II), Dept. of Mechanical Engg., AVIT, Organising Secretary- ICRAMET 2021 delivered the vote of thanks. The conference was well co-ordinated by the conference organizing committee, Faculty Members of the department with guidance form Head of department. The conference has certainly provided avenues for newer ideas, processes, techniques and technologies, collaborations and innovations.





### Inaugural Session



### Presentation Session

Microsoft Teams

Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy

## Material specifications and Components used

- Combustion chamber-It is designed to load up to 3kg of waste at a time.Diameter - 40cm and height 45cm
- Air quality sensor -MQ135- used for carbon detection and removal.
- 5 Relays- DC type of rating 5V each.Able to withstand current up to 15A-used to turn on and off pumps and fans.
- 2 Pumps- 12V DC pumps-used for pumping fuel and NaOH wash.

01:15:48

People

Invite someone

Share invite

Currently in this meeting (58)

- Shivakumar, Organiser
- Antony Rahul p w (Guest), On hold
- Adithyan P 3441955511 (Guest)
- Adwaith MP 3441955513 (Guest)
- Ajmal P A (Guest)
- AKARSH V 3441955515 (Guest)
- Akash B 3442057501 (Guest)

SARAVANA KUMAR M

Presentation Session

128

Unmute Stop Video Security Participants Chat Share Screen Pause/Stop Recording Reactions Leave

Valedictory Session

ICRAMET - 2021



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Department of Mechanical Engineering

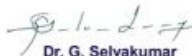
4<sup>th</sup> International e-Conference on Recent Advancement in  
Mechanical Engineering & Technology (ICRAMET 2021)

Best Paper Award

This Certificate is proudly awarded to the paper titled "**Biological Properties of Zirconia Nanocomposite Coatings by EBPVD for Biomaterial Applications**" authored by Subanithi Purnima M, Kamalan Kirubakaran, Gobi Saravanan Kaliaraj, Sathyabama Institute of Science and Technology has won **First Prize - Overall Best paper** in 4<sup>th</sup> International e-Conference on Recent Advancement in Mechanical Engineering & Technology (ICRAMET 2021) held on 24<sup>th</sup> & 25<sup>th</sup> June 2021, organized by the Department of Mechanical Engineering, AVIT, Chennai.

  
Dr. M. Prabhakar  
Convenor - ICRAMET 2021  
Professor - Department of Mechanical Engineering

  
Prof. L. Prabhu  
Convenor - ICRAMET 2021  
VP (Admin) & Head - Mechanical Engineering

  
Dr. G. Selvakumar  
Principal - AVIT

Overall Best Paper Award

ICRAMET - 2021



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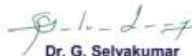
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Mechanical Engineering & Technology (ICRAMET 2021)

Best Paper Award

This Certificate is proudly awarded to the paper titled "**Extensive analysis of performance and emission characteristics for progressive biodiesel blend ratios using tamarind seed biodiesel with petroleum diesel in compression ignition engine**" authored by Ganesh Bharathi Ravikrishnan, S Venkatesan, S. Prabhakar, Vinayaka Mission's Kirupananda Variyar Engineering College, Salem has won **Best Paper - Session I** in 4<sup>th</sup> International e-Conference on Recent Advancement in Mechanical Engineering & Technology (ICRAMET 2021) held on 24<sup>th</sup> & 25<sup>th</sup> June 2021, organized by the Department of Mechanical Engineering, AVIT, Chennai.

  
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Principal - AVIT

Session Wise Best Paper Award