

The SME is formed with a view of exposing the students to various co-curricular activities like industrial visits, Guest Lectures etc.

The following are the highlights of the SME:

- Arranging guest lectures by eminent academicians and industrialists.
- Arranging industrial visits to various industries.
- Conducting a National level technical symposium titled '**Ignition**' where students from all over the country participate in various events like paper presentations, quiz, exhibitions and various technical competitions.
- In addition to all the above activities, the society encourages students to participate in various technical programs conducted by other institutions

SME Inauguration (2019 – 2020)

The inauguration of the Society of Mechanical Engineers Activities for the academic year 2019-2020 was scheduled on the forenoon of 25th July 2019 in the Function Hall. **Mr.G.Balasubramanian Senior Manager/ Head of Section – Electronics, R&D - Engineering Design Improvement Team 3, Hyundai Motor India Engineering Pvt.Ltd , Chennai** was invited to be the Chief Guest of the day. The second and fourth year students of the Department of Mechanical Engineering and all the faculty members of department of Mechanical Engineering attended the function.

IGNITION2k19 – National Level Technical Symposium:

The department of mechanical engineering successfully conducted IGNITION, a national level technical symposium on 27-09-2019. The function was inaugurated by **D.CVenkatakrishnan, General Manager,Unitex Automotive,Orgadam Kancheepuram District**. The symposium was started with lighting of the auspicious lamp (Kuthu Vilakku) and a technical presentation by the chief guest. The Chief Guest of the occasion was honoured by a memento, which was given away by **Dr. S.Ramesh Babu, HOD/ME**.





As a social cause Tree plantation event was organized and 19 saplings were planted inside the college premises on this day.



The chief guest then went on tea break and later visited all the projects displayed by our College Second year students.

The day was packed with many technical events, which are given below:

Around 250 number of students across the state from different colleges enthusiastically participated in this event. On this day, Six Technical events and two workshops were organized. The technical events include Paper presentation, Mr. Salesman, Technical Debate, Aero modeling, Cardbot, and CAD Modelling. In addition two workshops and project Display were conducted on this day

1. **PAPERPRESENTATION:**This is an important event in the symposium. It is a group event with each team having a maximum of 3 members. This event allows students to exhibit their skills in research and development. There are four streams in this event -Design,Thermal, and Manufacturing and Electric vehicle. Total number of participants -20



2. **CADMODELLING:**This event test the design skills of the participants.This event is conducted in two levels. The first level is MCQ round where the participants are filtered. In the second level the participants have to design the components in Creo to solve the given problem. Total number of participants -42

3. **MR.SALESMAN:**This event test the participant's ability to market a given technical product within the stipulated time. It is a one vs. one event,it is conducted in two rounds - prelims and final.Total number of participants -40



4. **AERO MODELLING:** This is a team event with a maximum of 4 members per team. The participants are instructed to design a non-powered glider for the required specifications using corrugated plastic and sun board. The gliders are evaluated on the basis of time of flight and distance travelled. Total number of participants

-32



5. **TECHNICAL DEBATE:** This event tests the public speaking skill of the participant. It is conducted in two rounds, first round is group discussion where the participants are filtered. The selected participants debate the final round and the best speakers are awarded. Total number of participants -20



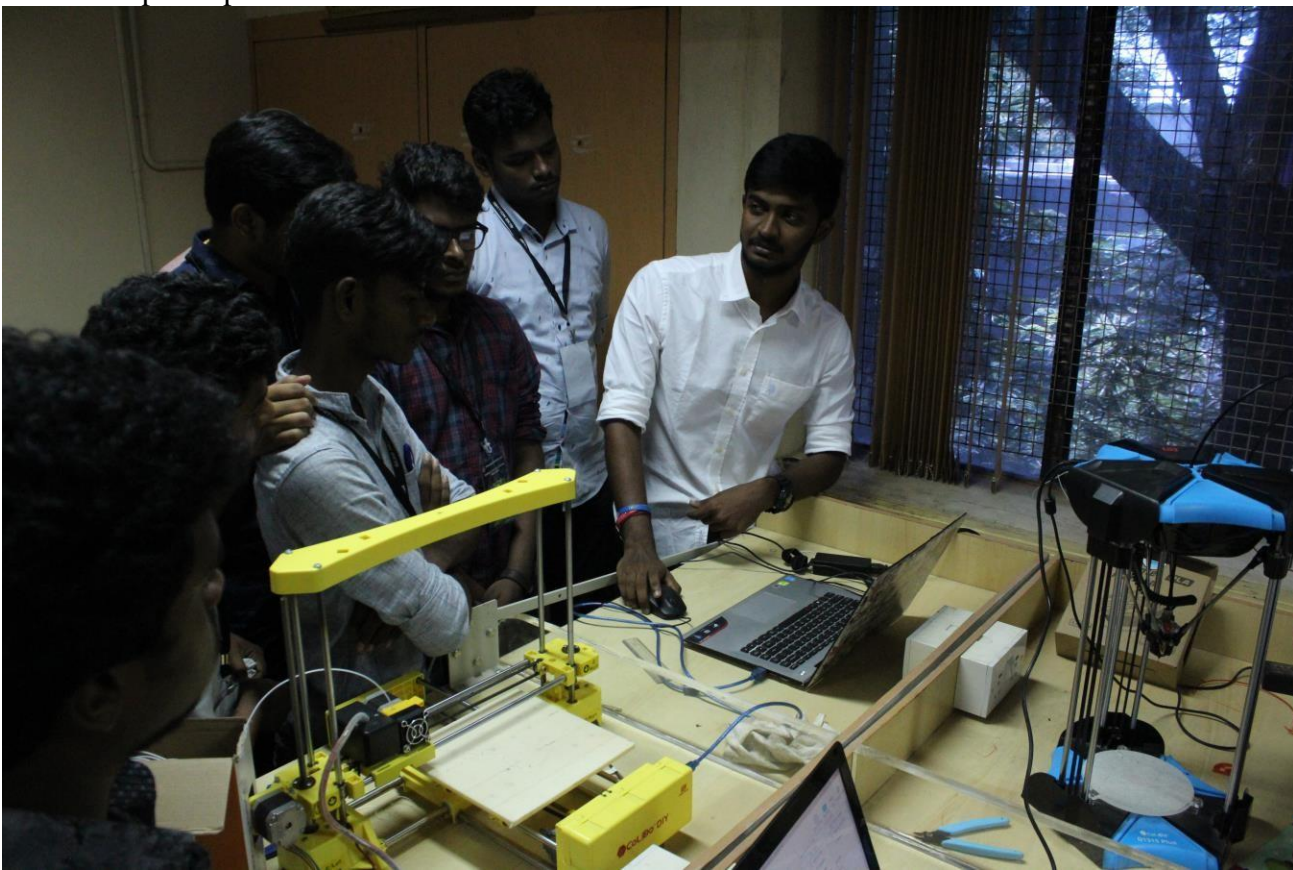
6. **CARDBOT:** This event tests the participant's knowledge in hydraulics. The participants are instructed to construct an arm for lifting an object using card board and syringes. It is a team event with a maximum of 3 members per team. Total number of participants -40



WORKSHOPS:

1.3D PRINTING:

A hands on training was provided to the participants in 3D printing. They had a exposure in latest manufacturing methods. They learnt the basics of 3D printing and the method of designing a product in 3D printing. Total number of participants -19



2. NON DESTRUCTIVE TESTING:


Nondestructive testing is analyzing a part without damaging it.It is extensively used in quality control .Participants were trained in magnetic particle testing and liquid penetrate testing. Total number of participants-8

PROJECT DISPLAY : This event was organized exclusively for second year mechanical engineering students. The display was judged by senior faculty members.



All winners were awarded cash prize and certificates during the valedictory function. **Dr. V. Vidhya, Professor & Head I/C, Information technology Department** presided over the function as chief guest and gave away the prizes to all winners.

The Symposium ended successfully with full appreciation from the participants.


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