

## **IGNITION 2K18 - REPORT**

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 (2018 – 2019)**

The inauguration of the Society of Mechanical Engineers Activities for the academic year 2018-2019 was scheduled on the forenoon of July 25<sup>th</sup> 2018 in the Function Hall. **Dr.V.Ravichandran, Defence Scientist, CVRDE, Chennai- 54** 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.

### **IGNITION – National Level Technical Symposium:**

The department of mechanical engineering successfully conducted IGNITION, a national level technical symposium on 29-09-2018. The function was inaugurated by **Mr.Shankar Sundaram,Amalgamations Group of Companies, Chennai**. 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.RameshBabu HOD/ME**. The chief guest then went on tea break and later visited all the projects displayed by our college students.

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

#### **1. PRESENTATION DU PAPER**

This is most important event in symposium. This event allows the student to exhibit skills and the research knowledge. A team can have up to 3 members. The event is split into 4 three streams. They are Manufacturing, Thermal, Design and Management.

Total Papers received – 150 (all streams)

Total Papers selected – 24 (all streams)

#### **2. ENGINOGRAPHY**

This event is basically to showcase technical skills regarding the engines. It consists of four rounds; the first round is a written preliminary, the second round is the usual quiz method, the third round is a technical interview where the participants will be questioned regarding the engines and the final round is dirt doesn't matter here the

participants will be given a pair of gloves and is expected to assemble the crank over its case. A team has 2 members.

No. of Participants registered – 80

No. of students participated – 42

No. of participants selected – 20

### **3. MASTERCADD**

This is the event for testing the participants' design skill. It is worked on CREO. It is the individual event and it consists of two levels. The first round is an on-spot pre-design and in the second-round participant should draw the machine component drawings and prizes are announced by time and perfection based.

No. of participants registered – 98

No. of students participated – 36

No. of participants selected – 25

### **4. TRACK DOWN**

This event is similar to treasure hunt, but it is a technical-based one. The participants have to find clues to reach the final checkpoint and the clues will be given technically. This event has 2 or 3 members per team.

No. of Participants registered – 60 teams

No. of students participated – 40 teams

No. of participants selected – 25 teams

### **5. SKETCH AND ACT**

The theme of the event is one of the team members should find the mechanical process with the help of action or diagram done by the other member. It consists of two rounds: one is prelims and the other is final. A team can have 2 members.

No. of Participants registered – 122

No. of students participated – 74

No. of participants selected – 44

### **6. REPARATUR**

It is an individual event where the participants are expected to assemble the hydraulic cylinder.

No. of Participants registered – 80

No. of students participated – 42

No. of participants selected – 26

### **7. Technische Verbindungen**

It is an team event, where the participants is expected to find the mechanical process by connecting the given pictures. A team can have 4 members.

No. of Participants registered – 80

No. of students participated – 42

No. of participants selected – 26

#### **8. MR. IGNITION2k18**

It is the group of events. A participant should complete all the events one after another. This is the time-based event. It has totally five rounds; first round is the technical quiz. then second one will be the welding process. Then third round is carpentry skill testing event, here the participants engineering practical skill is going to test. Fourth round is Trouble shooting the problems in machines virtually. Last one is the creative based one, participant should speak about a topic (topic will be given).

No. of Participants registered – 138

No. of students participated – 75

No. of participants selected – 25

#### **9. PROJECT DISPLAY**

It is the event which is for our college second year students. They explain their posters, Prototypes and Project models to the faculty and other participants. Prizes are given with respect to voting.

No. of students participated – 16

#### **10. TECHNICAL WORKSHOP**

It is the event which is for our college and other college students. Speakers from industry explain about the Industry 4.0.

No. of students participated – 50

#### **Participants from the various colleges List:**

- Rajalakshmi Engineering college
- Rajalakshmi Institute of technology
- Kumaraguru college of technology
- Madras institute of technology
- Sri Venkateshwara college of engineering
- Sri sakthi mariyaman college of engineering
- University college of engineering , Kanchipuram
- Panimalar Engineering college
- Panimalar institute of technology
- Mamallan jeppiar institute of technology
- KCG college of technology
- SRM university
- Saveetha Engineering college
- Thiyagarajar college of engineering
- St.Josephs College of engineering

- St. Josephs institute of technology
- St. Joseph college of engineering
- Anand institute of technology
- Aalim Mohammed college of engineering
- Mohammed Sathak engineering college
- SRR college of engineering
- SSN College of engineering
- RMK college of engineering
- RMD college of engineering
- Peri institute
- Government college of technology , Coimbatore
- Pallavan college of engineering
- Loyola ICAM college of engineering
- Loyola college of engineering
- College of Engineering, Guindy
- Apollo college of engineering
- Kings Engineering college
- Rajiv Gandhi Institute of technology
- Valliamai Engineering college
- Easwari college of engineering
- Sri Sastha engineering college
- Velammal Engineering college
- Sri Sairam College of Engineering
- Velammal institute of technology
- Kongu Engineering college
- SA engineering college
- Chennai institute of technology
- MNM Jain college of engineering
- Mepco Schelank college of engineering
- Agni college of engineering
- Dhanalakshmi Srinivasan college of engineering
- GRT institute of technology
- Dhanish Ahmed college of engineering
- Sri Muthukumaran institute of technology

All winners were awarded cash prize and certificates during the valedictory function. **Dr.K. S.Badrinathan, Professor & Dean(Educational & Development)** presided over the Valedictory function as chief guest and gave away the prizes to all winners.

The Symposium ended successfully with full appreciation from the participants.

Dr. S. RAMESH BABU, M.E., Ph.D  
 Professor & Head  
 Department of Mechanical Engineering  
 Sri Venkateswara College of Engineering  
 Pennalur, Sriperumbudur (TK) - 602117.  
 Tamilnadu, INDIA.

**Head of the Department**  
**Department of Mechanical Engineering**