

ACTIVITIES OF ASME SJCET STUDENT SECTION 2017-18

The office bearers of the ASME SJCET student chapter of St. Joseph's college of Engineering and Technology includes;

Student Section Chairman : Mr. Athul Shaji (S6 ME)
Student Section Vice Chairman : Mrs. Eswari Krishna E S (S6 ME)
: Dr. Lijo Paul, Associate Professor, ME Department
Student Section Advisor
Executive members:

Secretary Richy R Thuruthiyil (S6 ME)
Joint Secretary Aravind R Rao (S4 ME)
Treasurer Abhinav Binulal (S6 ME)
Documentation Head Angitha Susan Mathew (S4 ME)
Publicity Head Rahul Raju Paul (S6 ME)
Lino Raju (S4 ME)
Event head [intercollege]

Summary of Activities ASME SJCET Chapter 2017-18

1. Pre Inauguration talk on Quality Analysis in Rolls Royce, Derby, UK by Mr. Abraham Tholath on December 20, 2017
2. ASME SJCET Chapter Inauguration by Mr Antony Lulu Elias, CEO, Red Cap , Mumbai on 25th January 2018
3. Technical Talk on Advances in Liquid propulsion system by eminent scientist from ISRO, Trivanrum, India, in March 21, 2018
4. 3D Printing workshop for Engineering students and school teachers in March 24, 2018 **Activity No 1: 20th December , 2017**

The first program of the ASME SJCET student chapter was conducted on 20th December 2017 with Pre Inauguration talk on “Quality analysis in Rolls Royce”, by Mr. Abraham Tholath, Derby, UK. He demonstrated the Six Sigma Approach in Rolls Royce and motivated the students with his life journey on reaching his dream Job.



Activity No 2: 25th January, 2018

ASME SJCET student chapter was Inaugurated on 25th January 2018 by Mr. Antony Lulu Elias, CEO, Redcap Engineering, Mumbai. Dr. Lijo Paul , ASME staff Advisor gave away the welcome speech. Fr. Mathew Koramkuzha (Manager ,SJCET) did the presidential address and Prof. Dr. Madhukumar [Principal In charge ,SJCET] gave the felicitation during the programme. Mr Athul Shaji , ASME student chair gave vote of thanks at the end of the meeting .



The official meeting was called off by 10:35 am and soon an induction programme was carried out by Mr Antony Lulu Elias and Mr.Jithu Paulose [ASME Charles T Maine silver award winner]. This programme was mainly conducted for the sake of awareness to all about ASME. Around 100 students attended the meeting .During the session Mr. Antony talked about various job opportunities mainly in the field of petroleum industry, biomedical industry and piping industry . He talked about how much mechanics of fluids and hydraulics machines are important in the life of a mechanical engineer. Later the

session was handover to Mr.Jithu Paulose. He talked about importance of ASME,carrier , opportunities , E-fest , online courses and every other spheres offered by ASME to the students . The induction programme was called off by 12:30pm. After the induction programme, there was a membership drive for students. It was called off by 12: 45.



Activity No 3: 21st March, 2018

It was a dream come true day for many and also the grand occasion in the milestone of ASME SJCET. 21st March 2018 , two scientists from LPSC, Thiruvananthapuram was a privileged day for all space aspirants. The Liquid Propulsion Systems Centre (LPSC) is a research and development centre functioning under Indian Space Research Organization. Mr.Alex A (General Manager ,MME,LPSC) and Mr. Binoy Joseph (Division Head ,CSE,LPSC) were the heading the sections. Dr.K.Vijayakumar, Principal of SJCET inaugurated the sections. Dr Binoy Baby, HOD of mechanical department, Dr . Lijo Paul, staff advisor of ASME SJCET and other teaching faculty members were also present.

Mr Alex A and Mr Binoy Joseph were both serving as scientists in LPSC Valiamala. LPSC Valiamala-This unit serves as LPSC headquarters, and is involved in research and development of Earth-storable and cryogenic propulsion for launch vehicles. It delivers engines, stages, associated control systems and components for launch vehicle and spacecraft



Mr Alex A, talked about cryogenic engine and different stages. He connected every single point with everyday life chores and simple examples. He gave as the knowledge about the engagement of LPSC in development of liquid and cryogenic propulsion stages for launch vehicles and auxiliary propulsion systems for both launch vehicles and satellites. Activities related to liquid propulsion stages, cryogenic propulsion stages and control systems for launch vehicles and spacecraft is done at Thiruvananthapuram. Mr.Binoy Joseph , talked about the development of fluid control valves, transducers, propellant management devices for vacuum conditions and other key components of liquid propulsion systems . Both of them talked with immense humbleness to make every point understandable for all. In every aspect it was a great opportunity to attend a session like this.

The talk began at 10 AM and concluded by around 12:45 pm . After the talks there was a interactive session which was a great opportunity for students to interact with technical experts from renowned institution of the country, ISRO. Students of mechanical engineering are benefited from the program.



Activity No 4: March 24, 2018

Another milestone in the history of ASME SJCET student chapter was the most powerful emerging field of technology – A one day 3D printing workshop. Mr. Sreenath P Polackal , CEO of EMI products lead the workshop session. The workshop started at around 10 AM . We have around 60 participants. The forenoon session gave a brief idea about 3D printing, its technology, machines used and all. The afternoon session is totally a practical session. Every participant got a chance to work with 3D printing software and everyone made their own drawings on the printer. A totally interactive workshop rather than a theory based workshop. The workshop was concluded by around 4:30 PM .

