



SRM VALLIAMMAI ENGINEERING COLLEGE
An Autonomous Institution
SRM Nagar, Kattankulathur-603 203.
Department of Mechanical Engineering



Events Report July - Sep 2019

1. An Industrial visit was arranged for II year **Section 2 and Section 3** students on **12.07.2019** to **Vimal Non Ferrous casting, Thirumudivakkam.** The Chief Supervisor explained the manufacturing of transformer electrical connector, main box casing and other casting products for TNEB.



Industrial Visit 'Vimal Non Ferrous Casting'



Industrial Visit 'Vimal Non Ferrous Casting'

2. An Industrial Visit was arranged for II year **Section 1** students on **18.07.2019** to '**L&T Workshop**' Kancheepuram. Mr. K. Ganapathy, Manager explained the machineries such as

Transit mixer (RRV), max speed 20 kmp Pick and carry crane, Hydraulic sweeping unit, Terex (mass 3050 kg), Hydraulic piling rig-SR 70, Batching plant, Tower crane terex CTT-231, Cement feeding pump, Bagger, Drill tools (500-1500 mm) and Geo structure shop.



Industrial Visit '**L&T Workshop**' Kancheepuram

3. A Guest Lecture on the '**Basics of Engineering Thermodynamics**' was organised for II Year students on **18.07.19**. **Mr.S.Mehalingam, AGM, Product Development, Ashok Leyland** delivered his lecture on the following topics: modern trends and basics thermodynamics in the industry.



Guest Lecture on the '**Basics of Engineering Thermodynamics**'

4. A three-day Aero **Design Challenge - 2019 Final event** was held at SRM University from 19.07.2019 to 21.07.2019. Our College SAEINDIA VEC Collegiate Club Mechanical

engineering students' team VEC AERONS for Regular and TEAM ROGUEHAWKS (Micro Class) – official Teams of SRM Valliammai Engineering College participated in the final event and obtained 36th rank out of 146 teams.

5. An Industrial Visit was arranged for II year **Sec 2** students on 02.08.2019 to '**Madras Engineering Industries Pvt. Ltd**' Sriperumpudur. The General Manager explained the following sections: Warehouse, Furnace section, Core section, Moulding unit, Moulding sand section, Fettleing section and Scrap collection section.



6. An Industrial Visit was arranged for III year **Sec 1** students on 16.08.2019 to '**Emerald Engineering**' Pudupakkam and '**DIAMOND Engineering**' Mambakkam, Chennai. Mr.P.Mohanraj, Manager explained the welding and fabrication of petrol refinery components, cement factory components and advanced fabrication processes.



7. A three-day **Tractor Design Challenge - 2019 Final event** was held at SRM University from 22.08.19 to 24.08.19. Our team participated and cleared the following rounds: safety test, noise test, weighing test, brake test, chassis inspection, steering inspection. Our team did not get the championship but they got valuable inputs from the technical experts from various parts of India.



8. A Guest Lecture on the '**Design of Machine Components**' was organised for the III Year students on **28.08.19**. **Mr. Vijay Krishnamoorthy**, Sr.Design Engineer, Ford Motors Private Limited, Chennai delivered his lecture on the following topics: Introduction to engineering design, prototyping and finite element analysis.



Guest Lecture on the '**Design of Machine Components**'

9. An Industrial Visit was arranged for the III year **Sec 3** students on 30.08.2019 to **SRM Auto Tec Pvt Ltd, Chennai**. Students visited the following sections: Body Structure cleaning , Fabrication of Structure , Structure Mounting on Chassis, Paint Booth , Inner and Outer Panelling , Roof panels, Front panels, Rear panels, Passenger doors, Seats, Driver Seats, Under Chassis Inspection, Roof Leak Testing/Under Chassis Inspection.



Industrial Visit '**SRM Auto Tec Pvt Ltd**' Chennai

10. An Industrial Visit was arranged for the III year **Sec 3** students on 06.09.2019 to '**MTAB Engineers Pvt. Ltd., Chennai**'. Mr.P.Ganesh, Manager explained the automated guided vehicle, CNC lathe and CNC milling machine, CNC machining centers, turning centers, grinding machines, conventional tools and quality & metrology instruments.



11. A four day BFKC Final event was held at Kari Motor speedway, Coimbatore from 10.09.2019 to 13.09.2019. Our team participated and cleared the following rounds: Report presentation, Business plan, Design evaluation, Technical Inspection, Dynamic Evaluation. The above rounds were successfully completed and overall rank 6th position out of 96 was obtained. for 130CC category and 9th position out of 24 was obtained for 160CC category. And we got first place for business plan event.





12. A Guest Lecture on ' **Mechatronics** ' was organised for the IV Year students on **17.09.19**.

Mr. J.Deepak Manikandan, Director, Research and Development, Institute of Advanced Embedded Computing, Chennai delivered his lecture on the following topics: Introduction to Mechatronics, Automation, Microprocessor and Microcontroller applications in Mechanical Engineering, Robotics, Programmable Logic Controller, IoT.



13. A four day ETWDC Final event was held at Bannari Amman Institute of Technology, Erode from 26.09.2019 to 29.09.2019. Our team participated and cleared the following rounds: weight checking, vehicle stability inspection, quality inspection, design log presentation, dynamics

events like Manoeuvrability test, Vehicle range test. After successful completion of all category tests except Break test, overall rank 36th position out of 89 colleges was obtained.



Staffs' Achievements:

1. SAEINDIA Southern Section honoured SRM Valliammai Engineering College for hosting 4th Aero Design Challenge event Workshop on 19.09.2019. Dr. Ganesan, Additional Director, CVRDE, DRDO, Chennai presented the Memento to our College SAE Faculty Advisor Mr. S. Suresh Pungaiyah, Assistant Professor / Mechanical Engineering.



2. Mr. S. Suresh Pungaiyah, SAE Faculty Advisor received Dronacharya Award Best Supporting Faculty in BFKC Final event held at Kari Motor Speedway, Coimbatore



Students' Achievements:

1. Mr. S. Sathishkumar, Mr. P. Sathishkumar, Mr. C. Saravanan, Mr. S. Ram Prasad and Mr. S. Santhosh Kumar, Students of Mechanical Engineering Department received an Appreciation Certificate from SAE International President Mr. Paul Mascarenas for the extra ordinary contributions as Volunteer in Aero Design Challenge workshop.

2. Received the first position in Business Plan round in Faculty in BFKC Final event was held at Kari Motor Speedway, Coimbatore.



Staff In charge

HoD