

A Report on
Three-day workshop “**AUTOMOTIVE TECHNOLOGY**”
from 13th to 15th October, 2017 at K S Institute of Technology, Bangalore
organized by Team Redline Racing, SAE INDIA KSIT Collegiate Club and
in association with SAE INDIA Bangalore section and CADDFocus.

Day 1: 13-10-2017: Registration: The number of students’ participants registered was 187. The students were from various engineering colleges pursuing mechanical engineering. During the inaugural function, Chief Guest Mr. K. P. Murthy, Vice chairman, SAE India Bangalore Section was speaking about the challenges to be taken by the students to enhance their knowledge. Dignitaries Mr. Devaraj and Mr. Sridhar V, motivated the participants to be passionate about automotive technology. Dr. T. V Govindaraju, Principal/Director, KSIT, emphasized on the need of these kind of workshop for the benefit of students. Mr. D. Rukmangada, Hon. Treasurer, Kammavari Sangham, spoke about extensive supported by the management to organize the workshop. Dr. Ram Narasimha, Professor & Head, gave schedule of workshop for next three days.

After the inaugural function, Mr. Devaraj empathized the topic “Recent Automotive Technologies” for 90 min duration. Mr. Piyush Verma explained the concepts under the title “Automotive Basics and Automotive Design Philosophy”

After the lunch, Mr. Piyush Verma had a long session speaking about Designing your own ATV, Suspension system, Steering system, during which there was appreciable interaction form participants.

Day 2: 14-10-2017: An industrial visit was arranged to M/s Avarsala Technologies, Kanakapura Road, Bangalore. During this visit, participants observed the different types of CNC machines and its various operations.

After reaching campus for the industry, the participants were grouped into 6 batches. These batches went to hands on session, Assembling and De Assembling Engine lab and Automobile Lab, in the sequence as mentioned to them. In these place, they learnt about parts of engine, assembling the parts, valves, gear boxed, clutch plates etc., which was extensively practical knowledge. Mr. Nishnath Patel , Mr. Jagadhish, Mr. Rajath were the invitees, who took the complete responsibility of this session.

Day 3: 15-10-2017: The software training session was started in Online lab, 4th Floor, KSIT; by Mr. Sridhar speaking about the Solidwork version used for modelling. Mr. Dharaneesh, explained each step of modelling of automobile parts using solidworks. After the lunch, Mr. Nandakumar explained to the participants about the FEA analysis of modelled part and its importance. The course was ended with valedictory session, during which the certificates were distributed and feedback was collected.

Invitees:

1. Mr. K. P. Murthy, Vice chairman, SAE India Bangalore Section, Member, Managing Committee. SAE India.
2. Mr. Devaraj Tuppad, M/s Continental Corporation, Bangalore
3. Mr. Sridhar V., Director, M/s CADDFocus, Bangalore.
4. Mr. Mr. Piyush Verma, Alumina member, KSIT, Bangalore.
5. Mr. Nishnath Patel and Mr. Rajath, Alumina members, KSIT, Bangalore
6. Mr. Jagadhish, Automobile lab, KS Polytechnic.
7. Mr. Dharaneesh, Mr. Nandakumar and team, M/s CADDFocus, Bangalore

Submitted by:

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Date: 22-10-2017

PHOTOGRAPHS



Photograph 1: Inaugural Function

From Left to Right: Mr. Anil Kumar A (standing); Dr. T. V Govindaraju, Principal/Director, KSIT; Mr. K. P. Murthy, Vice chairman, SAE India Bangalore Section, Member, Managing Committee. SAE India; Mr. D. Rukmangada, Hon. Treasurer, Kammavari Sangham; Mr. Sridhar V., Director, M/s CADDFocus; . Mr. Devaraj Tuppad, M/s Continental Corporation; Dr. Ram Narasimha, Professor & Head



Photograph 2: Participants from various engineering institutions



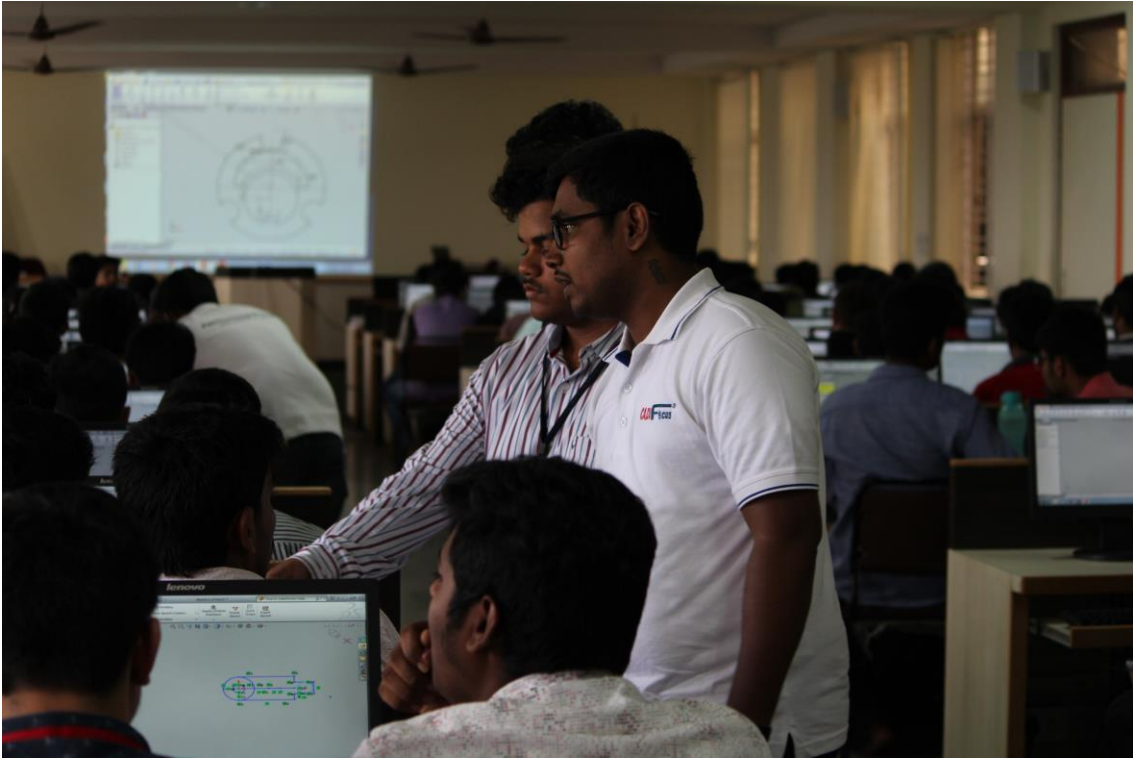
Photograph 3: Hands on session by Mr. Piyush Verma



Photograph 4: Automobile lab handled by Mr. Jagadish



Photograph 5: Hands on session from Mr. Nishanth and Mr. Rajath



Photograph 6: Software training by Mr. Dharaneesh



Photograph 7: Organized by Redline Racing team