



SIES Graduate School of Technology
Sri Chandrasekarendra Saraswati Vidyapuram
Sector 5, Nerul, Navimumbai-400706

Department of Mechanical Engineering
Event Report

**Automobile Workshop For Datta meghe World Academy and New
Horizon Public School , Airoli**
(27/07/2019 and 28/07/2019)

Event Information
Event Type: Interaction
Event title: Automobile Workshop for Datta Meghe World Academy and New Horizon Public School
Event date: 27/07/2019 and 28/07/2019
Organized for: All students (All Branches)
Organized by: Mechanical Department (SAE Council)
Target audience (branch & nos.): All Students
Attachments: 1. Photographs (in JPEG/PNG) 2. Attendance report

Event Description

An automobile workshop was held at our college. This workshop was held for the students 27/07/2019 and 28/07/2019. This workshop gave students a brief idea about working of an automobile vehicle, operation of machines like lathe machine, angle grinder, bench grinder, etc. and also about the use of CAD softwares. It was conducted in our college's workshop and was held for two days.

Day 1

The workshop was started with the illustration of chassis department. Here, the students were explained about the importance of chassis, its types, etc. after this, they were given the explanation about the wheel assembly department, where they were explained about traction force, tire nomenclature, etc. They were given a lunch break of one hour. After that, session of drivetrain department was conducted. they were taught about the functioning of engine, CVT, gearbox and applications of zeppa. After this part, session of suspension department was organized, wherein they were taught about the double wishbone suspension, leafspring suspension and their significance. They were given a refreshment break wherein they were provided with a soft drink and fast food. At the end, a fun activity was carried out, wherein students were guided to make a PVC model of our chassis.

Day 2

This day started with the session of steering department, in which they were given a brief idea about various steering mechanisms like Ackermann geometry, pro-Ackermann, etc. After this part, brakes department conducted a session, in which they covered topics like how brakes works, its necessity, its types, and various principles governing it. they were given a lunch break of one hour. Eventually they were taken to the machine shop of our college, where they were taught about the working of the lathe machine, various operations performed on it and its industrial appliances. Thereafter they were explained about the various CAD softwares like solid works, Ansys, etc, which our team uses in making the design of our vehicle. After this, they were introduced to different fabrication like cutting, grinding, profiling, polishing and welding. At the end of the day, fun activity was organized where assembly and disassembly of vehicle was carried by students under the guidance of the seniors and thereafter refreshments were provided.

1. Photographs (in JPEG/PNG)





Attendance list :

No.	Name	Signature
1	SHREYAS KOLI	Shreyas
2	Rushabh Pradhan	Rushabh
3	Shubh Koli	Shubh
4	Laxit Senghani	Laxit
5	Aditya Chawadekar	Aditya
6	Om Rana	Om Rana
7	Harsh Shirsat	Harsh
8	Aditya Rajput	Aditya
9	Anyan Patil	Anyan
10	Ashwini Chabadi	Ashwini
11	Sudeep Sawant	Sudeep
12	Shantanu Deb	Shantanu Deb
13	SOHAM HARAD	Soham
14	SAETRAK CHURDA	Saetra
15	OM INAMDAR	Om
16	Vignesh Narayan	Vignesh
17	DAKSH SACHDEV	Daksh
18	Sagar Kanwal	Sagar
19	Aarav Dongre	Aarav
20	Mansu Patkar	Mansu
21	SHANTANU CHADOLE	Shantanu
22	HERAMB SHIRDHANKAR	Heramb
23	Dhanu Kankal	Dhanu
24	Radhika Daburi	Radhika
25	SAMIKSHA LONDHE	Samiksha
26	Harshita Jadhav	Harshita
27	Samriddha Shinde	Samriddha
28	Fahim Tanpe	Fahim
29	Shruti Ghodke	Shruti

2020/11

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