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DEPARTMENT OF MECHANICAL ENGINEERING

REPORT ON INDUSTRIAL VISIT

SAE-India had arranged an industrial visit for our students at “**ASHOK LEYLAND TECHNICAL CENTRE**”, located at Vellivayal Chavadi, nearby Manali in Chennai, on 22.10.2016. Three students were recommended to go for industrial visit and they were taken to the company.

Mr. M. Joel, Project Manager, who introduced the technical centre and described about assembly section, processing zone and testing areas. It is the only technical centre in India, approved by NABL. Students were taken to the testing department in order to cater great exposure on ON-load and OFF-load testing of different vehicles. Testing on individual component was performed.

Later, the students were taken to the six posters testing, where the structural durability tests were carried out on the assembled vehicle and components. The main testing methods like, coolant conditioning system, diesel flow and torque test were performed on the automobile components. Afterwards, they were taken to the gradient tracking test zone, where they studied about 8⁰ test for passenger vehicle, 15⁰ for goods vehicle, 25⁰ for army vehicle. During OFF-load testing, various components and parts such as, fuel tank, front and rear bumper, spring, clutch and rear axle, were tested. Safety testing for seat belt, seat mounting and roof walls were done.

This visit could provide adequate exposure so as to develop new kinds of project works pertaining to vehicle testing. Also, they have suggested that this kind of application oriented industrial visit is requested to arrange in the future.



Industrial visit arranged by SAE-India, at ASHOK LEYLAND TECHNICAL CENTRE, Chennai, on 22.10.2016