



ADHI COLLEGE OF ENGINEERING & TECHNOLOGY

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DEPARTMENT OF MECHANICAL ENGINEERING

REPORT ON ONE DAY INDUSTRIAL VISIT

Some of our students were taken to visit the internal exhibition arranged by the **CVRDE-DRDO** at Avadi, on 21.01.2017. This CVRDE mainly deals with designing, developing, manufacturing prototypes and performance evaluation and transfer of technologies of Tracked Combat Vehicles, Specialist Tracked Vehicles and Products for Aerospace Secondary Power Drive Applications.

Students were taken to Ajey Auditorium where, Dr. P.Sivakumar, Director (Scientist grade) introduced about CVRDE organization. Then, the students were divided into 2 batches and they were taken to visit various units like, Indoor and outdoor exhibition. In Indoor exhibition, they were shown the prototype of Carrier Mortar Tracked (CMT), Armoured Ambulance, Combat Improved Ajeya, Ground support Vehicles for Missile Programme, Bridge Layer Tanks, Armoured Repair & Recovery Vehicles.

In outdoor exhibition, they were shown the **Combat Vehicle Technology Products** like Diesel Engine, Automatic Transmission, Suspension, Weapon control, Automotive Electronics, Automotive Electrical Systems and **Aerospace Technology Products** like, Aircraft Mounted Accessory Gearbox (AMAGB), Hydraulic Filters, Power Take Off (PTO) Shaft, Aircraft Bearings, DC Generators, Landing Gears. Then, the students were visited **Testing and Evaluation of AFVs and their Sub-systems** like, Engine Test, Fuel Injection Pump Test, Transmission Test, Variable Speed Drive Test, Road Wheel Test and Air Cleaner Test. Later, the students participated in the Quiz program actively held at presentation hall.

Based on the students' feedback, it is observed that this exhibition was fruitful to get known about the various combat vehicles and testing methods in armed vehicles.



(a)



(b)

Photos were taken at the CVRDE-DRDO at Avadi, Chennai

