



## **SIR C.R.REDDY COLLEGE OF ENGINEERING**

**Eluru-534007, West Godavari Dist., A.P., INDIA**

(Approved by AICTE, New Delhi & Permanently affiliated to Andhra University)

Phone no: 08812 – 230840, 2300656 Fax: 08812 – 224193 Visit us at <http://www.sircrrengg.ac.in>

## **DEPARTMENT OF MECHANICAL ENGINEERING**

### **SIEMENS SKILL DEVELOPMENT CENTRE**

#### **LAB DESCRIPTION**

##### **CBT Lab**

In the CBT Lab., there are 84 systems with all accessories and M.S. Office. In this lab, students learn sketching work, Geometry creation and simulation of objects. Here students use software SE294 and NX CAD 100 for drawings preparation and objects creation.

##### **AUTOMOTIVE 4 W Lab**

4 W Lab consists of major equipment like two post car lift (4T), Tyre changing machine, Wheel alignment and Wheel balancing Machines. Also it is having different gear boxes, wide variety of tools and other cut section models. Here, students learn complete aspects of maintenance and overhauling of 4 wheeler automobiles. There is an Air compressor for pneumatic operations.

##### **AUTOMOTIVE 2 W Lab**

2 W Lab consists of major equipment like two hydraulic rams, Air compressor, Spark plug cleaner and Tester, Exhaust Blower, hydraulic Power pack Also it is having wide variety of tools and other cut section models. Here, students learn complete aspects of maintenance and overhauling of 2 wheeler automobiles.

##### **CNC Lab**

In the CNC Lab, there are two machining centers, one is JV55 Vertical Milling machine and other one is Smarturn lathe machine. In this lab, students manufacture objects with different profiles using milling cutters and Turning tools. Also there are tools like milling checks, collets and other cutting tools.

##### **WELDING Lab**

Welding Lab consists of Major equipment like DC Arc Welding rectifier set, Auto K 400, Welding Booth, gas welding set, Spot welding machine, Air compressor Plasma cutting, Oxygen cylinders, CO2 cylinders, Argon and acetylene cylinders. Students learn complete aspects of Arc welding, Gas welding and Spot welding. In this lab, there are number of welding Tools available.



**4 Wheeler Lab**



**2 Wheeler Lab**



2 Wheeler Lab



**CBT Lab**