

**K. S. R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215**  
**(Autonomous)**  
**Department of Mechanical Engineering**

**Major Equipments details**

S.No	Equipment Description
<b>Manufacturing Technology Laboratory</b>	
1.	Centre lathe with its accessories
2.	Capstan and Turret Lathes
3.	Horizontal Milling Machine
4.	Vertical Milling Machine
5.	Surface Grinding Machine
6.	Cylindrical Grinding Machine
7.	Shaper
8.	Slotter
9.	Planner
10.	Radial Drilling Machine
11.	Gear Hobbing Machine
<b>Thermal Engineering Laboratory</b>	
1.	Single Cylinder Four Stroke Diesel Engine With Eddy Current Dynamometer Test Rig (18 Channel Data Acquisition System)
2.	Steam Boiler with turbine setup
3.	4-stroke Diesel Engine with mechanical loading.
4.	4-stroke Diesel Engine with hydraulic loading.
5.	4-stroke Diesel Engine with electrical loading.
6.	Multi-cylinder Petrol Engine
<b>Heat and Mass transfer Laboratory</b>	
1.	Parallel/counter flow heat exchanger apparatus
2.	Refrigeration test rig
3.	Air-conditioning test rig
<b>Advanced Welding Laboratory</b>	
1.	Advanced welding equipment(TIG and MIG) and its accessories
<b>Metrology and measurement Laboratory</b>	
1.	Profile Projector