



G.PULLAIAH COLLEGE OF ENGINEERING AND TECHNOLOGY: KURNOOL

DEPARTMENT OF MECHANICAL ENGINEERING

S.No	Name of the Lab	List of Major Equipment	Photo of the lab
1	MATERIAL SCIENCE AND ENGINEERING LAB	<ol style="list-style-type: none"> 1. Specimen mounting press 2. Dry and wet linisher 3. Metallographic disc polishing machine 4. Inverted trinocular metallurgical microscope 5. Muffle furnace 6. Jomney end quenching Apparatus 	
2	ENGINEERING WORKSHOP		

3	THERMAL ENGINEERING LAB	<ol style="list-style-type: none">1. Variable compression ratio of petrol Engine2. Single cylinder Diesel Engine3. Twin cylinder diesel Engine4. 4-cylinder 4-S petrol Engine5. Air Compressor test rig6. Single Cylinder 2-S petrol Engine7. Valve timing diagram for 4-S diesel engine8. Port Timing diagram for 2-S petrol Engine	
4	MANUFACTURING TECHNOLOGY LAB	<ol style="list-style-type: none">1. Arc Welding Machine2. Tig Welding Machine3. Fly Press4. Wood Turning Lathe	

5	HEAT TRANSFER LAB	<ol style="list-style-type: none"> 1. Concentric sphere 2. Composite wall 3. Metal rod 4. Pin-fin 5. Natural convection 6. Forced convection 7. Stefan boltzman constant 8. Parallel and counter flow heat exchanger 9. Emmissivity 10. Critical Heat flux 11. Drop and Film Wise 	
6	CAD LAB	<p>NUMBER OF SYSTEMS: 36</p> <p>SOFTWARES: Auto - Cad 2010</p>	

7.

MACHINE TOOLS LAB

1. Lathe machine.
2. Drilling and Tapping machine
3. Shaping machine
4. Slotting machine
5. Milling (groove cutting/ gear cutting)
6. Cylindrical and Surface Grinding machine
7. Grinding of Tool angles machine
8. Bench Grinder.

