



**K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

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**Research Facilities available in Mechanical R & D**

Sl. No	Description of Items
1	UTM 60 Tons capacity computerized model with mechanical and digital extensometer
2	Rockwell cum Brinell hardness testing machine
3	Vickers Hardness tester
4	Double disc polishing machine
5	Think centre PC with INTEL core, DELL monitor, Lenovo keyboard and mouse
6	Metallurgical microscope 'MELTZ' 780 1000 x image analyser software with metallurgical microscope along with PC
7	Belt grinder 0.5 HP
8	Wear testing machine
9	Surface measurement – SJ-210
10	IC Engine model
11	Fatigue Testing Machine
12	Aluminium Melting Furnace 5kg capacity with crucible working temperature 1100 deg C, 5KW with digital control panel and stirrer
13	Diesel Oil Burner

14	Nozzles
15	Teflon hose
16	Bio diesel Plant- Trans esterification plant- lab scale
17	Portable Gas Analyser for Oxy, CO, NOx with standard accessories
18	Digital Temperature Indicator- model 8003-1
19	K type thermocouples
20	Insulated Test Chamber – 1x 1x 1.5 m
21	MS stand, bend and chimney extension
22	ABC 4 kg fire Extinguisher
23	Diesel pump assembly
24	Electronic weighing balance 20 kg capacity
25	Test section
26	Convergent Cone, Section, Divergent Cone, outflow elbow assemblies, settling chamber each
27	IEICOS inclined manometer, Pr Range-150 mm, resolution 0.1 mm
28	Pitot Tube – L type for water, 8.0 dia, 300 mm traverse length