



**DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE & TECHNOLOGY,
MURTHAL, SONEPAT, HARYANA-131039**

Apparatus / Software's for M. Tech. in ME(CAD/CAM) (2 Years)

	INFRASTRUCTURE	REQUIRED	AVAILABLE	DEFICIENCY
List of Labs / Equipments / Softwares				
S. No.	Name of Equipments / Softwares	Quantity / Particular		
A. Computer Laboratory				
(Computer Aided Engg. Lab, Numerical & Optimization Methods Lab, Modeling and Simulation Lab. etc.)				
1.	Workstation	At least one/each student subject to a minimum of 20 preloaded with essential operating system e.g. windows and other softwares i.e. PDF., JPG., M.S. Office etc.		
2.	Photostate Machine (networked)	01		
3.	Printer (Laserjet)	01		
4.	Plotter	Desirable		
5.	CAD Software	PRO-E/CATIA/SOLIDWORKS		
6.	Analysis software	ANSYS/FEA/DEFORM 3D		
7.	Simulation Software	ARENA/PROMODEL/WITNES S		
8.	Languages	C/C++/JAVA		
9.	Computing softwares	MATLAB/SCILAB		
10.	Statistical Softwares	SPSS/Minitab		
B. Mechatronics				
11.	Mechatronics Test Rig, XY position Table, Rotary Table with sensor kit, Linear Conveyor System with Sensor Kit, Linear Slide Base, PLC Simulator	--		
12.	Hydraulic and Electro-Hydraulic System Test Rig	--		
13.	Pneumatic and Electro-Pneumatics system Test Rig	--		
14.	Sensor Technology Kit	--		
C. Computer Aided Manufacturing (CAM) / Flexible Manufacturing System (FMS)				
15.	FMS setup consisting of atleast one each of CNC lathe M/c, CNC Milling M/c, Robot and Control Systems	--		
16.	EDM/WEDM	--		
D. Smart Class room / Seminar Hall				
17.	Air-condition Hall of a capacity of -50 persons with multimedia projector, computer system, white board (smart board) is preferred and lecture stand, etc.	--		

Certified by the Chairperson (Deptt. of M.E.)