

Faculty of Mechanical Engineering

M.E. CAD/CAM

(R 2021) Semester – I

Course Code : CD 4161 Course title : Computer Aided Design Laboratory		
Sl.No.	Description of Equipment	Required members (for batch of 25 students)
1	<p>Desktop Computer with 1 year Processor - Intel Core i7-10700 processor (2.90GHz, 16MB L3 cache); Memory -16 GB DDR4 SDRAM @ 2933 MHz Expandable up to 64 GB with one free slot; 2PCI/PCI Express Slots, Integrated Graphics Controller, 10/100/1000 Mbps Network Card, 6 USB Ports with at least two with 3.0, 2 Additional USB Ports, HDMI, VGA /Display Port necessary converter to be provided, audio 3.5mm jack, Internal/External speakers, RJ 45; Monitor - 19 inch (+/- 0.5) TFT/ Wide LED Color</p> <p>Monitor: Resolution 1366 X 768; Hard Disk Drive - 1TB SATA HDD, 5400 RPM;USB Membrane Keyboard; USB Optical Mouse; Operating System - Pre loaded Linux; OS Compatibility - Windows & Linux.</p> <p>21" LED Monitor in lieu of 19" LED Monitor 2GB Graphics Card</p>	30

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Course Code: CM4161 Course Title: Computer Aided Manufacturing Laboratory		
Sl.No.	Description of Equipment	Required members (for batch of 25 students)
1	Computers	30
2	CAM Software for 3 axis machining or more	1
3	CNC Production type turning or Machining center	1
4	CNC Machining Centre	1
5	Video Measuring System	1
6	Coordinate Measuring Machine	1
7	Surface Roughness tester	1
8	Programmable Logic Controller with ladder logic programming software	1
9	RDMBS Package with relevant modules like Inventory Control and MRP	1
10	5 -axis Robot	1
11	3D Printer	1