



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

Apparatus / Softwares for M. Tech. in ECE(Industry Integrated)

(2 Years)

	INFRASTRUCTURE	REQUIRED	AVAILABLE	DEFICIENCY
List of Labs / Equipments / Softwares				
S. No.	Name of Equipments / Softwares	Quantity		
1st Year Lab: Advanced Digital Signal Processing Lab, Advanced Microprocessors Applications Lab, Advanced Optical Communication Lab, Advanced Image Processing Lab,				
Name of the Labs: MTEI-531B:Advanced Digital Signal Processing Lab				
1.	Matlab software (05 user)with Signal Processing Tool Box and Filter Design Tool Box	05 user license		
2.	TMS 320C6713DSP Starter Kit	05		
3.	DSK 6713 Board	01		
4.	Printer	01		
5.	Computer Systems	10		
6.	UPS	01		
Name of the Lab: MTEC-537-B: Advanced Microprocessors & Applications Lab				
7.	Microprocessor kit 8086	05		
8.	Microcontroller training / development kit 8051	05		
9.	Simulation software 10 users license	01		
10.	8051 Microcontroller Evaluation board	10		
11.	Module DC Motor, Stepper Motor, Intelligent LCD	05		
12.	CRO 30 MHz	05		
13.	Computer Systems	10		
14.	DC power Supply	10		
15.	Bread board	10		
16.	IC 8051	50		
17.	Component for Power on circuit (8051)	50		
18.	USB Programmer	05		
19.	UPS	01		
Name of the Lab: MTEC-534-B: Advanced Optical communication Lab				
20.	Optical Fiber trainer kit	03		
21.	PC to PC communication trainer using optical fiber	03		
22.	Fiber optics voice trainer	03		
23.	Modulation and Demodulation of light source by PPM Technique	03		
24.	Kits for study of losses in optical fibers	03		
25.	Optiwave / Optisim Software	10 user		
26.	Computer Systems	10		
27.	UPS	01		
Name of the Lab: MTEC-536-B: Advanced Image Processing Lab				
28.	Image processing tool box of MATLAB or Lab view software	10 user		
29.	Computer Systems	10		
30.	UPS	01		
2nd Year Labs: Advanced Wireless Communication Lab,Seminar Lab/Room, Project & Dissertation (Phase-I,II) Lab				
Name of the Lab: MTEI-633: Seminar Lab/Room				
31.	Well furnished Seminar room	01		
32.	Multimedia (LCD Projector & Mic, etc.	01		
33.	Desktop Computer	01		
Name of the Lab: MTEI-635: & MTEI-637,MTEC-60I: Project & Dissertation (Phase-I) ,Dissertation				
34.	Computer Systems	As per requirement		
35.	Softwares	As per requirement		
Name of the Lab: MTEC-631:Advanced Wireless Communication Lab				
36.	Antenna Trainer Kit	01		
37.	Microwave Bench	01		
38.	PC to PC Communication Kit	01		
39.	Dielectric Constant Measurement Kit	01		
40.	OFDM Kit and CDMA Kit	01		
41.	GSM/CDMA Module	01		
42.	Matlab Software	optional		

Certified by the Director-Principal