

Department of ECE, MVGR College of Engineering (Autonomous)

LABORATORY INFRASTRUCTURE

Analog Communication / Digital Communication Laboratory

S.No.	Name of the Equipment	Specifications	Qty
1	Spectrum Analyzer	1.3 to 3 GHz	2
2	Digital Storage Oscilloscopes		19
3	Function Generators		10
4	Digital Communication Trainer kits		25
5	Analog communication Kits		36
6	Logic Analyzer		1
7	Digital / Dual Power Supplies		6
8	Pulse Generators		2
9	RF Generators		2
10	AM / FM Generators		3
11	Analog CROs		2

Electronic Computer Aided Design Laboratory

S.No.	Name of the Equipment	Specifications	Qty
1	Computers		40
2	Servers & Clients		3
Hardware			
3	UPS	1100 VA	17
4	Cisco Switches		3
5	AC Voltas- 2 Ton		4
Softwares			
6	Xilinx11.1		25 Users
7	Vivado 14.2		25 Users
NI Lab VIEW Academy Equipment			

Electronic Devices and Circuits Laboratory

S.No.	Name of the Equipment	Specifications	Qty
1	CRO's	Hi Q	15
2	Function Generators	Scientific Hi Q	16
3	Power Supplies		28

Digital Signal Processing Laboratory

S.No.	Name of the Equipment	Specifications	Qty
1	Server	IBM e-Server	1
2	Server	Vivado	1
3	Computers		41
Hardware			
4	DSP kits TMS 320C6713 floating point		12
5	Digital Storage Oscilloscopes		7
6	Signal Generators		12
7	UPS	APC 1100VA	14
8	AC	LG 11Ton	1
9	D-Link Switches	1 Gbps	2
Softwares			
10	MATLAB	Filter design Tool box	15 Users
		Signal Processing Tool box	15 Users
		Communication Toolbox	15 Users

Integrated Circuits & Pulse and Digital Circuits Laboratory

S.No.	Name of the Equipment	Specifications	Qty
1	CRO's		15
2	Function Generators	10MHz	14
3	RPS		17
4	Linear and Digital IC trainer kits	Hi Q	22

Microwave Engineering & Optical Fiber Communication Laboratory

S.No.	Name of the Equipment	Specifications	Qty
1	Klystron based microwave Benches		8
2	Optical Communication Trainer kits		5
3	Gunn diode based microwave benches		2
4	CRO's.		12
5	ENA Series Vector Network Analyzer	14 GHz	1

Micro Processor & Interfacing Laboratory

S.No.	Name of the Equipment	Specifications	Qty
1	Computers		15
2	8086 Microprocessor kits	VI Micro & ESA	26
3	8085 Microprocessor kits	ESA	5
4	8051 Microcontroller Kits	VI Micro	16
5	8051 Microcontroller Kits	ESA	10
6	Interfacing Kits	VI Micro	30
7	Interfacing Kits	ESA	36
8	UPS	APC 1100VA	5

HDL and MSS Laboratory (M. Tech)

S.No.	Name of the Equipment	Specifications	Qty
1	Computers		20
2	Nexys 4 DDR Kits		15
3	Mentor Graphics Tools (HEP-1 & HEP-2)		40 Users
4	Anvel / Spartan 6 Kit		1
5	ZED Board 7000 Series		1

Embedded Systems Laboratory

S.No.	Name of the Equipment	Specifications	Qty
1	Computers		20
Hardware			
2	Unicorn Boards		13
3	UniBoards		13
4	Blue Boards		17
5	Arm 9 Touxedo Boards		06
6	ARM Cortex A8 @600 MHz		20
Softwares			
7	TriC		
8	Win Avr		
9	Keil MicroVision 3		
10	Flash Magic		