Faculty of Information and Communication Engineering

B.E. Electronics and Telecommunication Engineering

(R 2017) Semester – II
EC8261 CIRCUITS AND DEVICES LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	BC 107, BC 148,2N2646,BFW10	25		
2.	1N4007, Zener diodes	25		
3.	Resistors, Capacitors, Inductors	100		
4.	Bread Boards	15		
5.	CRO (30MHz)	15		
6.	Function Generators (3MHz)	10		
7.	Dual Regulated Power Supplies (0 – 30V)	10		

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(R 2017) Semester – III
EC8381 FUNDAMENTALS OF DATA STRUCTURES IN C LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	PC with C Complier	30		

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B.E. Electronics and Telecommunication Engineering
(R 2017) Semester – III
EC8361 ANALOG AND DIGITAL CIRCUITS LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	CRO/DSO (30MHz)	15		
2.	Signal Generator /Function Generators (3 MHz)	15		
3.	Dual Regulated Power Supplies (0 – 30V)	15		
4.	Standalone desktop PCs with SPICE software	15		
5.	Transistor/FET (BJT-NPN-PNP and NMOS/PMOS)	50		
6.	Dual power supply/single mode power supply	15		
7.	Resistors, Capacitors, Inductors	50		
8.	Diodes, Zener diode	10		
9.	IC Trainer Kit	15		
10.	Bread Boards	15		
11.	Computer with HDL software	15		
12.	Seven segment display	15		
13.	Multimeter	15		
14.	Ics 7400/ 7402 / 7404 / 7486 / 7408 / 7432 / 7483 / 74150 / 74151 / 74147 / 7445 / 7476/7491/ 555 / 7494 / 7447 / 74180 /7485 / 7473 / 74138 / 7411 / 7474	50		

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B.E. Electronics and Telecommunication Engineering
(R 2017) Semester – IV
EC8461 CIRCUITS DESIGN AND SIMULATION LABORATORY
Requirements for a batch of 30 students

SI. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	CRO (Min 30MHz)	15		
2.	Signal Generator /Function Generators (2 MHz)	15		
3.	Dual Regulated Power Supplies (0 – 30V)	15		
4.	Digital Multimeter	15		
5.	Digital LCR Meter	2		
6.	Standalone desktops PC	15		
7.	Transistor/FET (BJT-NPN-PNP and NMOS/PMOS)	50		
8.	Components and Accessories: Resistors, Capacitors,Inductors, diodes,Zener, Diodes,Bread Boards, Transformers	50		
9.	SPICE Circuit Simulation Software: (any public domain or commercial software)	30		

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B.E. Electronics and Telecommunication Engineering
(R 2017) Semester – IV
EC8462 LINEAR INTEGRATED CIRCUITS LABORATORY
Requirements for a batch of 30 students

SI. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	CRO/DSO (Min 30MHz)	15		
2.	Signal Generator /Function Generators (2 MHz)	15		
3.	Dual Regulated Power Supplies (0 – 30V)	15		
4.	Digital Multimeter	15		
5.	IC Tester	5		
6.	Standalone desktops PC	15		
7.	Components and Accessories	50		

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(R 2017) Semester – V
EC8562 DIGITAL SIGNAL PROCESSING LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	PCs with Fixed / Floating point DSP Processors (Kit / Add-on Cards)	15		
2.	MATLAB with Simulink and Signal Processing Tool Box or Equivalent Software in desktop systems	15		
3.	Signal Generators (1MHz)	20		
4.	CRO (20MHz)	20		

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(R 2017) Semester – V
EC8561 COMMUNICATION SYSTEMS LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Kits for Signal Sampling, TDM,AM,FM,PCM,DM and line Coding Schemes, Error control code	14		
2.	CROs	15		
3.	MATLAB/SCILAB or equivalent software package for simulation experiments	20		
4.	PCs	20		
5.	Probes(CRO)	30		
6.	Patch cords	100		
7.	MSO	4		
8.	DSO	4		

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(R 2017) Semester – V
EC8563 COMMUNICATION NETWORKS LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	C / Python / Java / Equivalent Compiler	30		
2.	Standard LAN Trainer Kits	4		
3.	Qualnet /Optisim /Matlab /NS2/ Netsim	30		
4.	PCs	30		

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B.E. Electronics and Telecommunication Engineering
(R 2017) Semester – VI
TL8611 NETWORK SECURITY LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	C/C++/Phython, Java or equivalent compiler GnuPG , KF sensor or equivalent, Snort, Net stumbler or equivalent	30		
2.	Standalone desktops (or) Server supporting terminals	30		

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B.E. Electronics and Telecommunication Engineering
(R 2017) Semester – VI
EC8661 VLSI DESIGN LABORATORY
Requirements for a batch of 30 students

SI. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Xilinx ISE/Altera Quartus/ equivalent EDA Tools	10		
2.	Xilinx/Altera/equivalent FPGA Boards	10		
3.	Cadence/Synopsis/ Mentor Graphics/Tanner/equivalent EDA Tools	10		
4.	Personal Computer	30		