

Faculty of Information and Communication Engineering

B.E. Computer and Communication Engineering

(R 2017) Semester – II

CS8261 C PROGRAMMING LABORATORY

Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Systems with Linux Operating System with gnu compiler	30		

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(R 2017) Semester – III
CS8481 DATABASE MANAGEMENT SYSTEMS LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Systems with MySql	30		
2.	Visual Studio	30		
3.	Server	1		

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(R 2017) Semester – III

CS8381 DATA STRUCTURES LABORATORY

Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Systems with Linux Operating System with gnu compiler	30		

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(R 2017) Semester – IV

CO8411 DIGITAL ELECTRONICS LABORATORY

Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Digital trainer kits	30		
2.	Digital ICs required for the experiments in sufficient numbers	30		

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(R 2017) Semester – IV

CS8383 OBJECT ORIENTED PROGRAMMING LABORATORY

Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Systems with either Netbeans or Eclipse	30		

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(R 2017) Semester – V

EC8681 MICROPROCESSOR AND MICROCONTROLLER LABORATORY

Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	8086 Microprocessor trainer kit with power supply	15		
2.	8051 Microcontroller trainer kit	15		
3.	Traffic light control Interfacing card compatible with 8086 & 8051 Trainers	5		
4.	Stepper motor control interfacing compatible with 8086 & 8051 kits	5		
5.	Digital clock interfacing board compatible with 8086 & 8051 kits	5		
6.	Keyboard & Display interface board compatible with 8086 & 8051 kits	5		
7.	Printer interfacing card compatible with 8086 & 8051 kits	5		
8.	A/D and D/A interfacing card compatible with 8086 & 8051 kits	5		
9.	Serial and Parallel interfacing card compatible with 8086 & 8051 kits	5		

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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

CS8582 OBJECT ORIENTED ANALYSIS AND DESIGN LABORATORY

Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Rational Suite (User License)	30		
2.	Open Source Alternatives : ArgoUML,StarUML, Visual Paradigm (Or) Equivalent Eclipse IDE and Junit	30		
3.	PCs	30		

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(R 2017) Semester – VI

CS8581 NETWORKS LABORATORY

Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Standalone Desktops	30		
2.	C / C++ / Java / Python / Equivalent Compiler Network Simulator like NS2 / Glomosim / OPNET / Packet Tracer / Equivalent	30		

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(R 2017) Semester – VI

CS8661 INTERNET PROGRAMMING LABORATORY

Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Systems	30		
2.	Server (Web Server)	1		
3.	Java/JSP/ISP Webserver/Apache Tomcat /MySQL/ Dreamweaver or Equivalent, WAMP/XAMP	30		

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(R 2017) Semester – VII

IT8761 SECURITY LABORATORY

Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Standalone desktops	30		
2.	C / C++ / Java or equivalent compiler GnuPG, Snort, N-Stalker or Equivalent	30		

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(R 2017) Semester – VII

EC8761 ADVANCED COMMUNICATION LABORATORY

Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Trainer kit for carrying out LED and PIN diode characteristics, Digital multi meter, optical power meter	2		
2.	Trainer kit for determining the mode characteristics, losses in optical fiber	2		
3.	Trainer kit for analyzing Analog and Digital link performance, 2 Mbps PRBS Data source, 10 MHz signal generator, 20 MHz Digital storage Oscilloscope	2		
4.	Kit for measuring Numerical aperture and Attenuation of fiber	2		
5.	Advanced Optical fiber trainer kit for PC to PC communication, BER Measurement, Pulse broadening	2		
6.	MM/SM Glass and plastic fiber patch chords with ST/SC/E2000 connectors	2		
7.	LEDs with ST / SC / E2000 receptacles – 650 / 850 nm	2		
8.	PIN PDs with ST / SC / E2000 receptacles – 650 / 850 nm	2		
9.	Digital Communications Teaching Bundle (LabVIEW/MATLAB/Equivalent software tools)	10		
10.	Software Define Radio Transceiver Platform with antennas and accessories	2		