Faculty of Information and Communication Engineering
B.Tech. Information Technology
(R 2017) Semester – II
IT8211 Information Technology Essentials 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 Linux/Windows/Solaris/Mac OSX operating system	30		
2.	XAMPP Webserver	1		
3.	Mobile App Development tool (Like app Inventor)	1		

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(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

CS8382 DIGITAL SYSTEMS LABORATORY

Requirements for a batch of 30 students

SI. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Digital trainer kits	30		
2.	Digital Ics	30		
3.	Software: HDL simulator	30		

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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 – III

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 – IV

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 – IV
CS8461 OPERATING 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 Linux OS and GNU Computer	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 kits	5		
4.	Stepper motor control interfacing compatible with 8086 & 8051kits	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

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 – V

IT8511 WEB TECHNOLOGY LABORATORY

Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Dream Weaver or Equivalent, MySQL or Equivalent, Apache Server, WAMP/XAMPP	30		
2.	Standalone desktops	30		

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(R 2017) Semester – VI

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.	ArgoUML,StarUML, Visual Paradigm (Or) Equivalent Eclipse IDE and Junit	30		
3.	PCs	30		

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(R 2017) Semester – VI
CS8662 MOBILE APPLICATION DEVELOPMENT 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 with Windows or Android or iOS or Equivalent Mobile Application Development Tools with appropriate emulators and debuggers	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.	C / C++ / Java or equivalent compiler GnuPG, Snort, N-Stalker or Equivalent	30		
2.	Standalone desktops	30		

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B.Tech. Information Technology
(R 2017) Semester – VII
IT8711 FOSS AND CLOUD COMPUTING 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 latest version	30		
2.	Cloud tools from free of open source like open nebula, open stack, Eucalyptus software	30		