

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD**

I Year B.Tech. ECE

2005-2006

Electronics & Communication Engineering

COURSE STRUCTURE

Subject Code	Subject	T	P	C
	English	2+1*	-	4
	Mathematics - I	3+1*	-	6
	Mathematical Methods	3+1*	-	6
	Applied Physics	2+1*	-	4
	C Programming & Data Structures	3+1*	-	6
	Network Analysis	2+1*	-	4
	Electronic Devices and Circuits	3+1*	-	6
	Engineering Drawing Practice Lab.	-	3	4
	Computer Programming Lab.	-	3	4
	IT Workshop	-	3	4
	Electronic Devices and Circuits Lab.	-	3	4
	English Language communication skills Lab.	-	3	4
	TOTAL	25	15	56

NOTE: All University Examinations (Theory and Practical) are of 3 hours duration.

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD**

II Year B.Tech. ECE – I Semester

2005-2006

Electronics & Communication Engineering

COURSE STRUCTURE

Subject Code	Subject	T	P	C
	Mathematics – III	4	-	4
	Probability Theory and Stochastic Processes	4	-	4
	Environmental Engineering	4	-	4
	Signals and Systems	4	-	4
	Pulse and Digital Circuits	4	-	4
	Electronic Circuit Analysis	4	-	4
	Electronic Circuits Lab.	-	3	2
	Pulse and Digital Circuits Lab.	-	3	2
	TOTAL	24	6	28

II Year B.Tech. ECE - II Semester

Subject Code	Subject	T	P	C
	Electrical Technology	4	-	4
	Control Systems	4	-	4
	OOPS through JAVA	4	-	4
	Switching Theory and Logic Design	4	-	4
	EM Waves and Transmission Lines	4	-	4
	Analog Communications	4	-	4
	Analog Communications Lab.	-	3	2
	Electrical Technology Lab.	-	3	2
	TOTAL	24	6	28

NOTE: All University Examinations (Theory and Practical) are of 3 hours duration.

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD**

III Year B.Tech. ECE- I Semester

2005-2006

Electronics & Communication Engineering

COURSE STRUCTURE

Subject Code	Subject	T	P	C
	Managerial Economics & Financial Analysis	4	-	4
	Computer Organization	4	-	4
	Linear IC Applications	4	-	4
	Digital IC Applications	4	-	4
	Antennas and Wave Propagation	4	-	4
	Digital Communications	4	-	4
	Digital Communications Lab.	-	3	2
	Linear IC Applications Lab.	-	3	2
	TOTAL	24	6	28

III Year B.Tech. ECE - II Semester

Subject Code	Subject	T	P	C
	Management Science	4	-	4
	Telecommunication Switching Systems and Networks	4	-	4
	Digital Signal Processing	4	-	4
	VLSI Design	4	-	4
	Microwave Engineering	4	-	4
	Microprocessors and Interfacing	4	-	4
	Microprocessors Lab	-	3	2
	Electronic Computer Aided Design Lab	-	3	2
	TOTAL	24	6	28

NOTE: All University Examinations (Theory and Practical) are of 3 hours duration.

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD**

IV Year B.Tech. ECE- I Semester

2005-2006

Electronics & Communication Engineering

COURSE STRUCTURE

Subject Code	Subject	T	P	C
	Computer Networks	4	-	4
	Electronic Measurements and Instrumentation	4	-	4
	Optical Communications	4	-	4
	Radar Systems	4	-	4
	Elective - I			
	Micro controllers and Applications	4	-	4
	Television Engineering			
	Operating Systems			
	Elective – II	4		4
	Digital Image Processing			
	Satellite Communications			
	Data Base Management Systems			
	Microwave and Optical Communications Lab.			
	Digital Signal Processing Lab.			
	TOTAL	24	6	28

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IV Year B.Tech. ECE- II Semester

2005-2006

Electronics & Communication Engineering

COURSE STRUCTURE

Subject Code	Subject	T	P	C
	Cellular and Mobile Communications	4	-	4
	Elective - III	4	-	4
	Embedded and Real Time Systems			
	Bio-Medical Instrumentation			
	Wireless Communications and Networks			
	Elective - IV	4	-	4
	Digital Design Through Verilog			
	DSP Processors and Architectures			
	Artificial Neural Networks			
	Seminar			2
	Industrial Oriented Mini Project			2
	Project			12
	TOTAL	12	-	28

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