

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. TECH. COMPUTER SCIENCE AND ENGINEERING (2009-10)

I YEAR

COURSE STRUCTURE

Code	Subject	L	T/P/D	C
	English	2	-	4
	Mathematics - I	3	1	6
	Mathematical Methods	3	1	6
	Engineering Physics	2	1	4
	Engineering Chemistry	2	-	4
	Computer Programming & Data Structures	3*	-	6
	Engineering Drawing	2	3	4
	Computer Programming Lab.	-	3	4
	Engineering Physics / Engineering Chemistry Lab.	-	3	4
	English Language Communication Skills Lab.	-	3	4
	IT Workshop / Engineering Workshop	-	3	4
	Total	17	18	50

II YEAR I SEMESTER

COURSE STRUCTURE

Code	Subject	L	T/P/D	C
	Probability and Statistics	3	1	3
	Mathematical Foundations of Computer Science	3	1	3
	Data Structures through C++	4	1	4
	Digital Logic Design	4	1	4
	Electronic Devices and Circuits	4	-	4
	Basic Electrical Engineering	3	1	3
	Electrical and Electronics Lab	-	3	2
	Data Structures Lab through C++	-	3	2
	Total	21	11	25

II YEAR II SEMESTER

COURSE STRUCTURE

Code	Subject	L	T/P/D	C
	Computer Organization	4	1	4
	Data Base Management Systems	4	1	4
	Object Oriented Programming	4	-	4
	Environmental studies	3	1	3
	Formal Languages and Automata Theory	3	1	3
	Design and Analysis of Algorithms	3	1	3
	Object Oriented Programming Lab	-	3	2
	Data Base Management Systems Lab	-	3	2
	Total	21	11	25

III YEAR I SEMESTER

COURSE STRUCTURE

Code	Subject	L	T/P/D	C
	Principles of programming Languages	4	1	4
	OPEN ELECTIVE	3	1	3
	Operations Research			
	Intellectual Property Rights and Cyber Law			
	Computer Forensics			
	Software Engineering	3	1	3
	Microprocessors & Interfacing	3	1	3
	Operating Systems	4	-	4
	Data Communication & Computer Networks	4	1	4
	Microprocessors & Interfacing Lab	-	3	2
	Computer Networks & Operating Systems Lab	-	3	2
	Total	21	11	25

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III YEAR II SEMESTER COURSE STRUCTURE

Code	Subject	L	T/P/D	C
	Object Oriented Analysis and Design	4	-	4
	VLSI Design	3	1	3
	Network Security	3	1	3
	Compiler Design	4	1	4
	Managerial Economics and Financial Analysis	4	1	4
	Web Technologies	3	1	3
	Advanced English Communication Skills Lab	-	3	2
	Web Technologies & Compiler Design Lab	-	3	2
	Total	21	11	25

IV YEAR I SEMESTER COURSE STRUCTURE

Code	Subject	L	T/P/D	C
	Linux Programming	4	1	4
	Software Testing Methodologies	4	1	4
	Data Warehousing and Data Mining	4	-	4
	Computer Graphics	3	1	3
	ELECTIVE – I Advanced Computer Architecture Cloud Computing Distributed Computing Mobile Computing	3	1	3
	ELECTIVE – II Design Patterns Machine Learning Soft Computing Information Retrieval Systems	3	1	3
	Linux Programming and Data Mining Lab	-	3	2
	Case Tools & Software Testing Lab	-	3	2
	Total	21	11	25

IV YEAR II SEMESTER COURSE STRUCTURE

Code	Subject	L	T/P/D	C
	Management Science	3	-	3
	ELECTIVE III Web Services Semantic Web & Social Networks Scripting Languages Multimedia & Rich Internet Applications	3	1	3
	ELECTIVE – IV Adhoc & Sensors Networks Storage Area Networks Database Security Embedded Systems	3	1	3
	Industry Oriented Mini Project	-	-	2
	Seminar	-	6	2
	Project Work	-	15	10
	Comprehensive Viva	-	-	2
	Total	9	23	25

Note : All End Examinations (Theory and Practical) are of three hours duration.

T-Tutorial L – Theory P – Practical/Drawing C – Credits