

Rajasthan Technical University, Kota

Scheme for B.Tech. Computer Science & Engineering-w.e.f. session 2012-13

III	Computer Science and Engineering	Teaching Hrs			Exm Hrs	Max. Marks			Comments
		L	T	P		IA	TE	Total	
Course Code	Subject								Common with
3CS1A	Electronic Devices and Circuits	3			3	20	80	100	CS,IT
3CS2A	Data Structures and Algorithms	3			3	20	80	100	EE, EEE, EC, EIC, CS & IT
3CS3A	Digital Electronics	3			3	20	80	100	EE, EEE, EC, EIC, CS & IT
3CS4A	Linux and Shell Programming	3			3	20	80	100	EE, EEE, EC, EIC, CS & IT
3CS5A	Object Oriented Programming	3			3	20	80	100	CS,IT
3CS6A	Advanced Engineering Mathematics	3	1		3	20	80	100	EE, EEE, CS & IT
3CS7A	Electronic Devices Lab			3	3	45	30	75	CS,IT
3CS8A	Data Structures Lab			3	4	60	40	100	CS,IT
3CS9A	Digital Electronics Lab			2	3	30	20	50	CS,IT
3CS10A	C++ Programming			3	4	45	30	75	CS,IT
3CS11A	Unix Shell Programming			2	3	30	20	50	CS,IT
3CSDC	Discipline & extra Curricular Activities							50	
	Total	18	1	13				1000	

IV	Computer Science and Engineering	Teaching Hrs			Exm Hrs	Max. Marks			Comments
		L	T	P		IA	TE	Total	
Course Code	Subject								Common with
4CS1A	Microprocessors and Interfaces	3			3	20	80	100	CS,IT
4CS2A	Discrete Mathematical Structures	3	1		3	20	80	100	CS,IT
4CS3A	Statistics and Probability Theory	3			3	20	80	100	CS,IT
4CS4A	Software Engineering	3			3	20	80	100	CS,IT
4CS5A	Principles of Communication	3			3	20	80	100	CS,IT
4CS6A	Principles of Programming Languages	3			3	20	80	100	CS,IT
4CS7A	Microprocessor Lab			3	3	60	40	100	CS,IT
4CS8A	Communication Lab			3	3	60	40	100	CS,IT
4CS9A	Computer Aided Software Engineering Lab			3	4	60	40	100	CS,IT
4CS10A	Business Entrepreneurship Development			2	3	30	20	50	
4CSDC	Discipline & extra Curricular Activities							50	
	Total	18	1	11				1000	

V	Computer Science and Engineering	Teaching Hrs			Exm Hrs	Max. Marks			Comments
		Course Code	Subject Name (Revised)	L		T	P	IA	
5CS1A	Computer Architecture	3			3	20	80	100	CS, IT
5CS2A	Digital Logic Design	3	-		3	20	80	100	
5CS3A	Telecommunication Fundamentals	3	-	-	3	20	80	100	CS, IT
5CS4A	Database Management Systems	3			3	20	80	100	CS, IT
5CS5A	Operating Systems	3	-		3	20	80	100	CS, IT
5CS6.1A	Advanced Data Structure	3	-		3	20	80	100	CS, IT
5CS6.2A	Digital Signal Processing								CS, IT
5CS6.3A	Information Theory & Coding								CS, IT
5CS7A	DataBase Lab			3		60	40	100	CS, IT
5CS8A	System Design in UML Lab.	-	-	3		45	30	75	
5CS9A	Operating Systems Simulation Lab			3		60	40	100	CS, IT
5CS10	Digital Hardware Design Lab			3		45	30	75	CS, IT
5CSDC	Discipline & Extra Curricular Activities							50	CS, IT
		18	0	12				1000	

VI	Computer Science and Engineering	Teaching Hrs			Exm Hrs	Max. Marks			Comments
		Course Code	Subject Name (Revised)	L		T	P	IA	
6CS1A	Computer Networks	3	-		3	20	80	100	CS, IT
6CS2A	Design and Analysis of Algorithms	3	-		3	20	80	100	CS, IT
6CS3A	Theory Of Computation	3			3	20	80	100	CS, IT
6CS4A	Computer Graphics and Multimedia Techniques	3			3	20	80	100	
6CS5A	Embedded System Design	3	-		3	20	80	100	
6CS6.1A	Advance Topics in Operating Systems	3	-		3	20	80	100	CS, IT
6CS6.2A	Artificial Intelligence								
6CS6.3A	Human Computer Interface								CS, IT
6CS7A	Java Programming Lab			3		45	30	75	CS, IT
6CS8A	Computer Graphics & Multimedia Lab			2		30	20	50	
6CS9A	Design and Analysis of Algorithms Lab.			3		60	40	100	CS, IT
6CS10A	Embedded System Design Lab.			2		45	30	75	
6CS11A	Humanities and Social Sciences			2		30	20	50	CS, IT
6CSDC	Discipline & Extra Curricular Activities							50	CS, IT
		18	0	12				1000	

VII	Computer Science and Engineering	Teaching Hrs			Exm Hrs	Max. Marks			Comments
		Course Code	Subject Name (Revised)	L		T	P	IA	
7CS1A	Cloud Computing	3	-		3	20	80	100	Common to
7CS2A	Information System Security	3			3	20	80	100	CS, IT
7CS3A	Data Mining & Ware Housing	3			3	20	80	100	CS, IT
7CS4A	Computer Aided Design for VLSI	3	-		3	20	80	100	
7CS5A	Compiler Construction	3			3	20	80	100	
7CS6.1A	Advance DataBase Management Systems	3	-		3	20	80	100	
7CS6.2A	Robotics								
7CS6.3A	Data Compression Techniques								
7CS7A	Web Development Lab			2		30	20	50	
7CS8A	VLSI Physical Design Lab			3		45	30	75	
7CS9A	Compiler Design Lab			3		45	30	75	
7CSPR	Project-I			2		50		50	CS, IT
7CSTR	Practical Training*			2			100	100	CS, IT
7CSDC	Discipline & Extra Curricular Activities							50	CS, IT
		18	0	12				1000	

VIII	Computer Science and Engineering	Teaching Hrs			Exm Hrs	Max. Marks			Comments
		Course Code	Subject Name (Revised)	L		T	P	IA	
8CS1A	Mobile Computing	3			3	20	80	100	CS, IT
8CS2A	Digital Image Processing	3	-		3	20	80	100	CS, IT
8CS3A	Distributed Systems	3			3	20	80	100	
8CS4.1A	Hardware Testing & Fault Tolerance	3	-		3	20	80	100	CS, IT
8CS4.2A	Real Time Systems								CS, IT
8CS4.3A	Information Retrieval								CS, IT
8CS5A	Unix Network Programming & Simulation Lab			3		60	40	100	
8CS6A	FPGA Lab.			3		60	40	100	
8CS7A	Digital Image Processing lab			2		30	20	50	CS, IT
8CSPR	Project-II			2		120	80	200	CS, IT
8CSSM	Seminar			2		60	40	100	CS, IT
8CSDC	Discipline & Extra Curricular Activities							50	CS, IT
		12	0	12				1000	