Rajasthan Technical University, Kota

Scheme for B.Tech. Computer Sience & Engineering-w.e.f. session 2013-14

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

IV	Computer Science and Engineering	Teaching Hrs			Exm Hrs	Max. Marks		
Course Code	Subject	L	T	P		IA	TE	Total
4CS1A	Microprocessors and Interfaces	3			3	20	80	100
4CS2A	Dicrete Mathematical Structures	3	1		3	20	80	100
4CS3A	Statistics and Probability Theory	3			3	20	80	100
4CS4A	Software Engineering	3			3	20	80	100
4CS5A	Principles of Communication	3			3	20	80	100
4CS6A	Principles of Programming Languages	3			3	20	80	100
4CS7A	Microprocessor Lab			3	3	60	40	100
4CS8A	Communication Lab			3	3	60	40	100
4CS9A	Computer Aided Software Engineering Lab			3	4	60	40	100
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		
Course Code	Subject Name (Revised)	L	T	P		IA	TE	TOTAL
5CS1A	Computer Architecture	3			3	20	80	100
5CS2A	Digital Logic Design	3	-		3	20	80	100
5CS3A	Telecommunication Fundamentals	3	-	-	3	20	80	100
5CS4A	Database Management Systems	3			3	20	80	100
5CS5A	Operating Systems	3	-		3	20	80	100
5CS6.1A	Advanced Data Structure		-					
5CS6.2A	Digital Signal Processing	3			3	20	80	100
5CS6.3A	Information Theory & Coding							
5CS7A	DataBase Lab			3		60	40	100
5CS8A	System Design in UML Lab.	-	-	3		45	30	75
5CS9A	Operating Systems Simulation Lab			3		60	40	100
5CS10	Digital Hardware Design Lab			3		45	30	75
5CSDC	Discipline & Extra Curricular Activities							50
		18	0	12				1000

VI	Computer Science and Engineering	Teaching Hrs			Exm Hrs	Max. Marks		
Course Code	Subject Name (Revised)	L	T	P		IA	TE	TOTAL
6CS1A	Computer Networks	3	-		3	20	80	100
6CS2A	Design and Analysis of Algorithms	3	-		3	20	80	100
6CS3A	Theory Of Computation	3			3	20	80	100
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		-					
6CS6.2A	Artificial Intelligence	3			3	20	80	100
6CS6.3A	Human Computer Interface							
6CS7A	Java Programming Lab			3		45	30	75
6CS8A	Computer Graphics & Multimedia Lab			2		30	20	50
6CS9A	Design and Analysis of Algorithms Lab.			3		60	40	100
6CS10A	Embedded System Design Lab.			2		45	30	75

		6CS11A	Humanities and Social Sciences			2		30	20	50

6CS11A	Humanities and Social Sciences			2	30	20	50
6CSDC	Discipline & Extra Curricular Activities						50
		18	0	12			1000

VII	Computer Science and Engineering	Teaching Hrs			Exm Hrs	Max. Marks		
Course Code	Subject Name (Revised)	L	T	P		IA	TE	TOTAL
7CS1A	Cloud Computing	3	-		3	20	80	100
7CS2A	Information System Security	3			3	20	80	100
7CS3A	Data Mining & Ware Housing	3			3	20	80	100
7CS4A	Computer Aided Design for VLSI	3	-		3	20	80	100
7CS5A	Compiler Construction	3			3	20	80	100
A	Advance DataBase Mangement Systems		-					
7CS6.2A	Robotics	3			3	20	80	100
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
7CSTR	Practical Training*			2			100	100
7CSDC	Discipline & Extra Curricular Activities							50
		18	0	12				1000

VIII	Computer Science and Engineering	Teaching Hrs			Exm Hrs	Max. Marks		
Course Code	Subject Name (Revised)	L	T	P		IA	TE	TOTAL
8CS1A	Mobile Computing	3			3	20	80	100
8CS2A	Digital Image Processing	3	-		3	20	80	100
8CS3A	Distributed Systems	3			3	20	80	100
8CS4.1A	Hardware Testing & Fault Tolerance		-					
8CS4.2A	Real Time Systems	3			3	20	80	100
8CS4.3A	Information Retrieval							
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

8CSPR	Project-II			2		120	80	200
8CSSM	Seminar			2		60	40	100
8CSDC	Discipline & Extra Curricular Activities							50
		12	0	12				1000

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