

## Rajasthan Technical University, Kota

cheme for B.Tech. Information Technology-w.e.f. session 2012-13

III	Information Technology	Teaching Hrs			Exm Hrs	Max. Marks			Comments
		L	T	P		IA	TE	Total	
Course Code	Subject								Common with
3IT1A	Electronic Devices and Circuits	3			3	20	80	100	CS,IT
3IT2A	Data Structures and Algorithms	3			3	20	80	100	EE, EEE, EC, EIC, CS & IT
3IT3A	Digital Electronics	3			3	20	80	100	EE, EEE, EC, EIC, CS & IT
3IT4A	Object Oriented Programming	3			3	20	80	100	CS,IT
3IT5A	Linux and Shell Programming	3			3	20	80	100	EE, EEE, EC, EIC, CS & IT
3IT6A	Advanced Engineering Mathematics	3	1		3	20	80	100	IT
3IT7A	Electronic Devices Lab			3	3	45	30	75	CS,IT
3IT8A	Data Structures Lab			3	4	60	40	100	CS,IT
3IT9A	Digital Electronics Lab			2	3	30	20	50	CS,IT
3IT10A	C++ Programming			3	4	45	30	75	CS,IT
3IT11A	Unix Shell Programming			2	3	30	20	50	CS,IT
3ITDC	Discipline and extra Curricular Activities							50	
	Total	18	1	13				1000	

IV	Information Technology	Teaching Hrs			Exm Hrs	Max. Marks			Comments
		L	T	P		IA	TE	Total	
Course Code	Subject								Common with
4IT1A	Microprocessors and Interfaces	3			3	20	80	100	CS,IT
4IT2A	Discrete Mathematical Structures	3	1		3	20	80	100	CS,IT
4IT3A	Statistics and Probability Theory	3			3	20	80	100	CS,IT
4IT4A	Software Engineering	3			3	20	80	100	CS,IT
4IT5A	Principles of Communication	3			3	20	80	100	CS,IT
4IT6A	Principles of Programming Languages	3			3	20	80	100	CS,IT
4IT7A	Microprocessor Lab			3	3	60	40	100	CS,IT
4IT8A	Communication Lab			3	3	60	40	100	CS,IT
4IT9A	Computer Aided Software Engineering Lab			3	4	60	40	100	CS,IT
4IT10A	Business Entrepreneurship Development			2	3	30	20	50	
4ITDC	Discipline and extra Curricular Activities							50	
	Total	18	1	11				1000	

V	Information Technology	Teaching Hrs			Exm Hrs	Max. Marks			Comments
		Course Code	Subject Name (Revised)	L		T	P	IA	
5IT1A	Computer Architecture	3			3	20	80	100	CS, IT
5IT2A	Digital Signal Processing	3	-		3	20	80	100	
5IT3A	Telecommunication Fundamentals	3	-	-	3	20	80	100	CS, IT
5IT4A	Database Management Systems	3			3	20	80	100	CS, IT
5IT5A	Operating Systems	3	-		3	20	80	100	CS, IT
5IT6.1A	Advanced Data Structure	3	-		3	20	80	100	CS, IT
5IT6.2A	E-Commerce								
5IT6.3A	Satellite & Microwave Communication								
5IT7A	DataBase Lab			3		60	40	100	CS, IT
5IT8A	Advance Communication Lab.	-	-	3		45	30	75	
5IT9A	Operating Systems Simulation Lab			3		60	40	100	CS, IT
5IT10A	Digital Hardware Design Lab			3		45	30	75	CS, IT
5ITDC	Discipline & Extra Curricular Activities							50	CS, IT
		18	0	12				1000	

VI	Information Technology	Teaching Hrs			Exm Hrs	Max. Marks			Comments
		Course Code	Subject Name (Revised)	L		T	P	IA	
6IT1A	Computer Networks	3	-		3	20	80	100	CS, IT
6IT2A	Design and Analysis of Algorithms	3	-		3	20	80	100	CS, IT
6IT3A	Theory Of Computation	3			3	20	80	100	CS, IT
6IT4A	Programming in Java	3			3	20	80	100	
6IT5A	Information Theory & Coding	3	-		3	20	80	100	
6IT6.1A	Advance Topics in Operating Systems	3	-		3	20	80	100	CS, IT
6IT6.2A	Bio Informatics								
6IT6.3A	Human Computer Interface								
6IT7A	Java Programming Lab			3		45	30	75	CS, IT
6IT8A	GUI Design Lab.			3		45	30	75	
6IT9A	UML Lab			2		30	20	50	
6IT10A	Design and Analysis of Algorithms Lab.			3		60	40	100	CS, IT
6IT11A	Humanities and Social Sciences			2		30	20	50	CS, IT
6ITDC	Discipline & Extra Curricular Activities							50	CS, IT
		18	0	13				1000	

VII	Information Technology	Teaching Hrs			Exm Hrs	Max. Marks			Comments
		L	T	P		IA	TE	TOTAL	
Course Code	Subject Name (Revised)								Common to
7IT1A	Software Project management	3	-		3	20	80	100	
7IT2A	Information System Security	3			3	20	80	100	CS, IT
7IT3A	Data Mining & Ware Housing	3			3	20	80	100	CS, IT
7IT4A	Internet Programming	3	-		3	20	80	100	
7IT5A	Computer Graphics & Multimedia Techniques	3			3	20	80	100	
7IT6.1A	Advance Database Management Systems	3	-		3	20	80	100	
7IT6.2A	Intelligent Systems								
7IT6.3A	Speech Processing								
7IT7A	Computer Graphics & Multimedia Lab.			2		30	20	50	
7IT8A	DMW Lab			3		60	40	100	
7IT9A	Internet Programming Lab.			2		30	20	50	
7ITPR	Project-I			2		50		50	CS, IT
7ITTR	Practical Training*			2			100	100	CS, IT
7ITDC	Discipline & Extra Curricular Activities							50	CS, IT
		18	0	11				1000	

VIII	Information Technology	Teaching Hrs			Exm Hrs	Max. Marks			Comments
		L	T	P		IA	TE	TOTAL	
Course Code	Subject Name (Revised)								Common to
8IT1A	Software Testing & Validation	3			3	20	80	100	
8IT2A	Digital Image Processing	3	-		3	20	80	100	CS, IT
8IT3A	Data Compression Techniques	3			3	20	80	100	
8IT4.1A	Mobile Computing	3	-		3	20	80	100	CS, IT
8IT4.2A	Information Retrieval								CS, IT
8IT4.3A	Robotics								
8IT5A	Software Testing Lab.			3		60	40	100	
8IT6A	Digital Image Processing lab			2		30	20	50	CS, IT
8IT7A	Advanced Web Programming			2		30	20	50	
8IT8A	Mobile Application Development Lab			2		30	20	50	
8ITPR	Project-II			2		120	80	200	CS, IT
8ITSM	Seminar			2		60	40	100	CS, IT
8ITDC	Discipline & Extra Curricular Activities							50	CS, IT
		12	0	13				1000	