

Information Technology

Semester III											
Subject Code	Subject	Nature of Subject	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
			L	T	Lab	Practical		CA	ESE		
						Int	Ext				
07213301	Discrete Structures	C	4	2	0	0	0	50	75	5	125
07213302	Digital Electronics and Logic Circuits	ID	4	0	0	0	0	40	60	4	100
07213303	Object Oriented Programming	C	4	0	0	0	0	40	60	4	100
07213304	Data Structures	C	4	0	0	0	0	40	60	4	100
07213305	Computer Organization	C	4	0	0	0	0	40	60	4	100
07213306	Digital Electronics and Logic Circuits lab	C	0	0	2	10	15	0	0	1	25
07213307	Object Oriented Programming lab	C	0	0	2	10	15	0	0	1	25
07213308	Data Structures lab	C	0	0	4	20	30	0	0	2	50
07213309	Computer Organization lab	C	0	0	2	10	15	0	0	1	25
07213310	Integrated Disaster Management	PD	3#	0	0	0	0	75	0	3 #	75
Total			20	2	10	50	75	210	315	26	650
Semester IV											
Subject Code	Subject	Nature of Subject	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
			L	T	Lab	Practical		CA	ESE		
						Int	Ext				
07213401	Engineering Mathematics III	ES	4	2	0	0	0	50	75	5	125
07213402	Microprocessor Techniques	ID	4	0	0	0	0	40	60	4	100
07213403	Theory of Computation	C	4	2	0	0	0	50	75	5	125
07213404	Data Communication	C	4	0	0	0	0	40	60	4	100
07213405	Software Engineering	C	4	0	0	0	0	40	60	4	100
07213406	Internet Technologies	C	4	0	0	0	0	40	60	4	100
07213407	Microprocessor Techniques Lab	ID	0	0	2	10	15	0	0	1	25
07213408	Software Engineering Lab	C	0	0	2	10	15	0	0	1	25
07213409	Internet Technologies Lab	C	0	0	2	10	15	0	0	1	25
Total			24	4	6	30	45	260	390	29	725

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Semester V											
Subject Code	Subject	Nature of Subject	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
			L	T	Lab	Practical		CA	ESE		
						Int	Ext				
07213501	Data Base Management Systems	C	4	0	0	0	0	40	60	4	100
07213502	Operating System	C	4	0	0	0	0	40	60	4	100
07213503	Mobile Computing	C	4	0	0	0	0	40	60	4	100
07213504	Object Oriented Analysis and Design	C	4	0	0	0	0	40	60	4	100
07213505	Management Information System	C	4	0	0	0	0	40	60	4	100
07213506	Data Base Management Systems Lab	C	0	0	4	20	30	0	0	2	50
07213507	Operating System Lab	C	0	0	2	10	15	0	0	1	25
07213508	Object Oriented Analysis and Design Lab	C	0	0	4	20	30	0	0	2	50
07213509	Information Systems Lab	C	0	0	2	10	15	0	0	1	25
Total			20	0	12	60	90	200	300	26	650

Semester VI-A											
Subject Code	Subject	Nature of Subject	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
			L	T	Lab	Practical		CA	ESE		
						Int	Ext				
07213601	Industrial Project	C	0	0	0	0	0	400	0	16	400
07213602	Seminar	C	0	0	0	0	0	100	0	04	100
Total			0	0	0	0	0	500	0	20	500
OR											
Semester VI-B											
07213603	Internship	C	0	0	0	0	0	150	0	6	150
07213604	Advanced Databases	C	3	0	0	0	0	30	45	3	75
07213605	Entrepreneurship	C	3	0	0	0	0	30	45	3	75
07213606	Project	PD	0	0	8	50	50	0	0	4	100
07213607	Liberal Arts	GP	0	0	4	50	0	0	0	2	50
07213608	Service Learning	GP	0	0	4	50	0	0	0	2	50
Total			6	0	16	150	50	210	90	20	500

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Semester VII											
Subject Code	Subject	Nature of Subject	Teaching Scheme			Examination Scheme Marks			Total Credits	Total Marks	
			L	T	Lab	Practical		CA			ESE
						Int	Ext				
07213701	Distributed Systems	C	4	0	0	0	0	40	60	4	100
07213702	Computer Network	C	4	0	0	0	0	40	60	4	100
07213703	System Programming	C	4	0	0	0	0	40	60	4	100
07213704	Computer Graphics and Multimedia techniques	C	4	0	0	0	0	40	60	4	100
07213705	Distributed Systems Lab	C	0	0	2	10	15	0	0	1	25
07213706	Computer Network Lab	C	0	0	2	10	15	0	0	1	25
07213707	System Programming Lab	C	0	0	2	10	15	0	0	1	25
07213708	Computer Graphics and Multimedia techniques Lab	C	0	0	4	20	30	0	0	2	50
07213709-711	Elective-I	C	3	0	0	0	0	30	45	3	75
07213712-714	Elective-I Lab	C	0	0	2	10	15	0	0	1	25
	Total		19	0	12	60	90	190	285	25	625

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Semester VIII											
Subject Code	Subject	Nature of Subject	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
			L	T	La b	Practical		CA	ESE		
						Int	Ext				
07213801	Network and Information Security	C	4	0	0	0	0	40	60	4	100
07213802	Compiler Construction	C	4	0	0	0	0	40	60	4	100
07213803	Network and Information Security Lab	C	0	0	2	10	15	0	0	1	25
07213804	Compiler Construction Lab	C	0	0	2	10	15	0	0	1	25
07213805	Project	PD	0	0	12	90	60	0	0	6	150
07213806	Seminar	GP	0	4	0	30	20	0	0	2	50
07213807-10	Elective – II	C	3	0	0	0	0	30	45	3	75
07213811-14	Elective – II Lab	C	0	0	2	10	15	0	0	1	25
07213815-17	Elective – III	C	3	0	0	0	0	30	45	3	75
07213818-20	Elective – III Lab	C	0	0	2	10	15	0	0	1	25
Total			14	4	20	160	140	140	210	26	650
Grand total (Excluding first year) VI- A			97	10	60	360	440	1500	1500	152	3800
Grand total (Excluding first year) VI- B			103	10	76	510	490	1210	1590	152	3800

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Electives for Semester VII											
Subject Code	Elective – I	Nature of Subject	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
			L	T	Lab	Practical		CA	ESE		
						Int	Ext				
07213709	Embedded systems	C	3	0	0	0	0	30	45	3	75
07213710	Dataware housing and mining	C	3	0	0	0	0	30	45	3	75
07213711	User interface design	C	3	0	0	0	0	30	45	3	75
07213712	Embedded systems Lab	C	0	0	2	10	15	0	0	1	25
07213713	Dataware housing and mining Lab	C	0	0	2	10	15	0	0	1	25
07213714	User interface design Lab	C	0	0	2	10	15	0	0	1	25

Electives for Semester VIII											
Subject Code	Elective – II	Nature of Subject	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
			L	T	Lab	Practical		CA	ESE		
						Int	Ext				
07213807	Artificial Intelligence	C	3	0	0	0	0	30	45	3	75
07213808	Image Processing and Pattern Recognition	C	3	0	0	0	0	30	45	3	75
07213809	Mobile Computing	C	3	0	0	0	0	30	45	3	75
07213810	Cloud Computing	C	3	0	0	0	0	30	45	3	75
07213811	Artificial Intelligence Lab	C	0	0	2	10	15	0	0	1	25
07213812	Image Processing and Pattern Recognition Lab	C	0	0	2	10	15	0	0	1	25
07213813	Mobile Computing Lab	C	0	0	2	10	15	0	0	1	25
07213814	Cloud Computing Lab	C	0	0	2	10	15	0	0	1	25

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Electives for Semester VIII											
Subject Code	Elective – III	Nature of Subject	Teaching Scheme			Examination Scheme Marks			Total Credits	Total Marks	
			L	T	Lab	Practical	CA	ESE			
						Int	Ext				
07213815	Internet and Web Technologies	C	3	0	0	0	0	30	45	3	75
07213816	Web Services and SOA	C	3	0	0	0	0	30	45	3	75
07213817	Software Architecture	C	3	0	0	0	0	30	45	3	75
07213818	Internet and Web Technologies Lab	C	0	0	2	10	15	0	0	1	25
07213819	Web Services and SOA Lab	C	0	0	2	10	15	0	0	1	25
07213820	Software Architecture Lab	C	0	0	2	10	15	0	0	1	25

All the students of B. Tech. will study one inter institutional course of 2 credits during semester III and semester IV

L- Lecture , T-Tutorial, HA-Home Assignment

C - Core Subject

ES - Engineering Science Subject

GP - General Proficiency Subject

ID - Inter Disciplinary Subject

PD - Professional Development Subject

CA- Continuous Assessment, ESE- End Semester Examination

Practical, CA, ESE are separate heads of Passing

Int- Internal (Practical)

Ext- External (Practical)

Practical external examination may be conducted by alternate internal faculty

- Credits Over & above 200