

Semester III

Catalog Course Code	Course Code	Course Title	Nature	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
				L	T	Lab	Practical		CA	ESE		
							CA	ESE				
T7492	070121301 IT	Discrete Structures	C	3	2	-	-	-	40	60	4	100
T7512	070121302 IT	Programming Paradigms	C	3	-	-	-	-	30	45	3	75
T7495	070121303 IT	Fundamentals of Data Structures	C	3	2	-	-	-	40	60	4	100
T7483	070121304 IT	Computer Organization	C	3	2	-	-	-	40	60	4	100
T7554	070121305 IT	Digital Electronics and Logic Design	ID	3	2	-	-	-	40	60	4	100
T7513	070121306 IT	Programming Paradigms Lab	C	-	-	2	10	15	-	-	1	25
T7496	070121307 IT	Fundamentals of Data Structures Lab	C	-	-	4	20	30	-	-	2	50
T7555	070121308 IT	Digital Electronics and Logic Design Lab	ID	-	-	2	10	15	-	-	1	25
Liberal Arts (Choose any two of the following)												
T6184	070121309 IT	Basic German I	ID	2	-	-	-	-	50	-	2	50
T6185	070121310 IT	Basic German II	ID	2	-	-	-	-	50	-	2	50
T6186	070121311 IT	Basic French I	ID	2	-	-	-	-	50	-	2	50
T6187	070121312 IT	Basic French II	ID	2	-	-	-	-	50	-	2	50
T6188	070121313 IT	Basic Spanish I	ID	2	-	-	-	-	50	-	2	50
T6189	070121314 IT	Basic Spanish II	ID	2	-	-	-	-	50	-	2	50
T6167	070121315 IT	Basics of Microeconomics	ID	2	-	-	-	-	50	-	2	50
T6168	070121316 IT	Basics of Macroeconomics	ID	2	-	-	-	-	50	-	2	50
T6274	070121317 IT	Foundations of Ethics	ID	2	-	-	-	-	50	-	2	50
T6275	070121318 IT	Concept of Wealth and Prosperity	ID	2	-	-	-	-	50	-	2	50
Total				19	8	8	40	60	290	285	27	675
T4005	070121319 IT	*Integrated Disaster Management	GP	-	-	-	-	-	-	-	-	Letter Grade

For 2 hours tutorial, there will be 1 hour classroom teaching and 1 hour for projects/self-study/assignments.

Semester IV

Catalog Course Code	Course Code	Course Title	Nature	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
				L	T	Lab	Practical		CA	ESE		
							CA	ESE				
T7380	070121401 CS	Applied Mathematics	ES	3	2	-	-	-	40	60	4	100
T7510	070121402 IT	Operating Systems	C	3	-	-	-	-	30	45	3	75
T7501	070121403 IT	Java and Web Technologies	C	3	2	-	-	-	40	60	4	100
T7516	070121404 IT	Software Engineering	C	3	2	-	-	-	40	60	4	100
T7488	070121405 IT	Data Structures	C	3	-	-	-	-	30	45	3	75
T7577	070121406 IT	Microprocessor Techniques	ID	3	-	-	-	-	30	45	3	75
T7511	070121407 IT	Operating Systems Lab	C	-	-	2	10	15	-	-	1	25
T7500	070121408 IT	Java and Web Technologies Lab	C	-	-	4	20	30	-	-	2	50
T7489	070121409 IT	Data Structures Lab	C	-	-	2	10	15	-	-	1	25
T7578	070121410 IT	Microprocessor Techniques Lab	ID	-	-	2	10	15	-	-	1	25
T7674	070121411 CS	Cyber Security	C	2	-	-	-	-	50	-	2	50
Total				20	6	10	50	75	260	315	28	700

For 2 hours tutorial, there will be 1 hour classroom teaching and 1 hour for projects/self-study/assignments.

Semester V

Catalog Course Code	Course Code	Course Title	Nature	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
				L	T	Lab	Practical		CA	ESE		
							CA	ESE				
T7486	070121501 IT	Data Base Management Systems	C	4	-	-	-	-	40	60	4	100
T7518	070121502 IT	Theory of Computation	C	3	2	-	-	-	40	60	4	100
T7481	070121503 IT	Computer Networks	C	4	-	-	-	-	40	60	4	100
T7497	070121504 IT	Internet Technologies	C	3	-	-	-	-	30	45	3	75
T7487	070121505 IT	Data Base Management Systems Lab	C	-	-	4	20	30	-	-	2	50
T7482	070121506 IT	Computer Networks Lab	C	-	-	2	10	15	-	-	1	25
T7498	070121507 IT	Internet Technologies Lab	C	-	-	2	10	15	-	-	1	25
T7644	070121508 IT	Operations Research	ID	2	2	-	-	-	30	45	3	75
	070121509 IT	Inter Institute Course I		2	-	-	-	-	50	-	2	50
	070121510 IT	Inter Institute Course II		2	-	-	-	-	50	-	2	50
Total				20	4	8	40	60	280	270	26	650

For 2 hours tutorial, there will be 1 hour classroom teaching and 1 hour for projects/self-study/assignments.

Semester VI

Catalog Course Code	Course Code	Course Title	Nature	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
				L	T	Lab	Practical		CA	ESE		
							CA	ESE				
Group A												
T7920	070121601 CS	Internship (6 Months)	PD	-	-	-	195	130	-	-	13	325
T7671	070121602 IT	Seminar	PD	-	-	-	60	40	-	-	4	100
	070121608 IT	Global Immersion Program	-	-	-	-	-	-	-	-	-	-
		Total		-	-	-	255	170	-	-	17	425
OR												
Group B												
T7905	070121603 IT	Internship(6-8 weeks)	PD	-	-	-	75	50	-	-	5	125
T7558	070121604 IT	Digital Signal Processing	C	3	2	-	-	-	40	60	4	100
T7475	070121605 IT	Business Informatics	C	3	-	-	-	-	30	45	3	75
T7048	070121606 IT	Project Management	GP	4	-	-	-	-	40	60	4	100
T7559	070121607 IT	Digital Signal Processing Lab	C	-	-	2	10	15	-	-	1	25
		Total		10	2	2	85	65	110	165	17	425

For 2 hours tutorial, there will be 1 hour classroom teaching and 1 hour for projects/self-study/assignments.

Semester VII

Catalog Course Code	Course Code	Course Title	Nature	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
				L	T	Lab	Practical		CA	ESE		
							CA	ESE				
T7493	070121701 IT	Distributed Systems	C	3	-	-	-	-	30	45	3	75
T7517	070121702 IT	System Programming	C	3	-	-	-	-	30	45	3	75
T7507	070121703 IT	Object Oriented Analysis and Design	C	3	-	-	-	-	30	45	3	75
T7504	070121704 IT	Mobile Computing	C	3	-	-	-	-	30	45	3	75
T7494	070121705 IT	Distributed Systems Lab	C	-	-	2	10	15	-	-	1	25
T7479	070121706 IT	Computer Graphics and Multimedia	C	3	-	-	-	-	30	45	3	75
T7508	070121707 IT	Object Oriented Analysis Design Lab	C	-	-	2	10	15	-	-	1	25
T7480	070121708 IT	Computer Graphics and Multimedia Lab	C	-	-	2	10	15	-	-	1	25
T7505	070121709 IT	Mobile Computing Lab	C	-	-	2	10	15	-	-	1	25
T8000	070121710 IT	Service Learning	C	4	-	-	-	-	100	-	4	100
Free elective (Choose any one of the following)												
T7457	070121711	Integrated Water	ID	3	-	-	-	-	30	45	3	75

	IT	Resources Development and Management										
T7456	070121712 IT	Town and Country Planning	ID	3	-	-	-	-	30	45	3	75
T7499	070121713 IT	JAVA	ID	3	-	-	-	-	30	45	3	75
T7509	070121714 IT	Open Source Technologies	ID	3	-	-	-	-	30	45	3	75
T7474	070121715 IT	Basics of Database	ID	3	-	-	-	-	30	45	3	75
T7574	070121716 IT	MATLAB	ID	3	-	-	-	-	30	45	3	75
T7584	070121717 IT	Printed Circuit Board (PCB) Design	ID	3	-	-	-	-	30	45	3	75
T7616	070121718 IT	Fundamentals of Automotive Technology	ID	3	-	-	-	-	30	45	3	75
T7650	070121719 IT	Six Sigma	ID	3	-	-	-	-	30	45	3	75
T7020	070121720 IT	Nanotechnology	ID	3	-	-	-	-	30	45	3	75
T7394	070121721 IT	Smart Materials	ID	3	-	-	-	-	30	45	3	75
T7393	070121722 IT	Computer based Statistical Packages	ID	3	-	-	-	-	30	45	3	75
Total				22	-	8	40	60	280	270	26	650

For 2 hours tutorial, there will be 1 hour classroom teaching and 1 hour for projects/self-study/assignments.

Semester VIII

Catalog Course Code	Course Code	Course Title	Nature	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
				L	T	Lab	Practical		CA	ESE		
							CA	ESE				
T7804	070121801 IT	B.Tech Project	PD	-	-	8	40	60	-	-	4	100
T7083	070121802 IT	Web Technologies and SOA	C	4	-	-	-	-	40	60	4	100
T7471	070121803 IT	Advanced Database Management System	C	4	-	-	-	-	40	60	4	100
T7065	070121804 IT	Human Computer Interaction	C	4	-	-	-	-	40	60	4	100
T7139	070121805 IT	Software Testing and Quality Assurance	C	3	-	-	-	-	30	45	3	75
T7472	070121806 IT	Advanced Database Management Systems Lab	C	-	-	2	10	15	-	-	1	25
T7080	070121807 IT	Software Testing and Quality Assurance Lab	C	-	-	1	10	15	-	-	1	25
Elective – I (Choose any one of the following)												
T7514	070121808 IT	SAP	C	3	-	-	-	-	30	45	3	75
T7515	070121809 IT	Search Engine Optimization	C	3	-	-	-	-	30	45	3	75
T7078	070121810 IT	Software Product Line Management	C	3	-	-	-	-	30	45	3	75
Elective – II (Choose any one of the following)												
T7519	070121811 IT	Usability	C	3	-	-	-	-	30	45	3	75
T7476	070121812 IT	Cloud Computing	C	3	-	-	-	-	30	45	3	75
T7068	070121813 IT	Intelligent Systems	C	3	-	-	-	-	30	45	3	75
Total				21	-	11	60	90	210	315	27	675

For 2 hours tutorial, there will be 1 hour classroom teaching and 1 hour for projects/self-study/assignments.

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

C - Core Course

ES - Engineering Science Course

GP - General Proficiency Course

ID - Inter Disciplinary Course

PD - Professional Development Course

CA- Continuous Assessment, ESE- End Semester Examination

Practical, CA, ESE are separate heads of Passing

Practical external examination may be conducted by alternate internal faculty