

Semester III

Temporary Course Code	Course Code	Course Title	Nature	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
				L	T	Lab	Practical		CA	ESE		
							Int	Ext				
T7492	070121301 CS	Discrete Structures	C	3	2	-	-	-	40	60	4	100
T7512	070121302 CS	Programming Paradigms	C	3	-	-	-	-	30	45	3	75
T7495	070121303 CS	Fundamentals of Data Structures	C	3	2	-	-	-	40	60	4	100
T7483	070121304 CS	Computer Organization	C	3	2	-	-	-	40	60	4	100
T7554	070121305 CS	Digital Electronics and Logic Design	ID	3	2	-	-	-	40	60	4	100
T7513	070121306 CS	Programming Paradigms Lab	C	-	-	2	10	15	-	-	1	25
T7496	070121307 CS	Fundamentals of Data Structures Lab	C	-	-	4	20	30	-	-	2	50
T7555	070121308 CS	Digital Electronics and Logic Design Lab	ID	-	-	2	10	15	-	-	1	25
Liberal Arts - Choose any two of the following												
T6184	070121309 CS	Basic German I	ID	2	-	-	-	-	50	-	2	50
T6185	070121310 CS	Basic German II	ID	2	-	-	-	-	50	-	2	50
T6186	070121311 CS	Basic French I	ID	2	-	-	-	-	50	-	2	50
T6187	070121312 CS	Basic French II	ID	2	-	-	-	-	50	-	2	50
T6188	070121313 CS	Basic Spanish I	ID	2	-	-	-	-	50	-	2	50
T6189	070121314 CS	Basic Spanish II	ID	2	-	-	-	-	50	-	2	50
T6167	070121315 CS	Basics of Microeconomics	ID	2	-	-	-	-	50	-	2	50
T6168	070121316 CS	Basics of Macroeconomics	ID	2	-	-	-	-	50	-	2	50
T6274	070121317 CS	Foundations of Ethics	ID	2	-	-	-	-	50	-	2	50
T6275	07012318 CS	Concept of Wealth and Prosperity	ID	2	-	-	-	-	50	-	2	50
		Total		19	8	8	40	60	290	285	27	675
T4005	070121319 CS	*Integrated Disaster Management	GP	-	-	-	-	-	-	-	-	Letter Grade

Semester IV

Temporary Course Code	Course Code	Course Title	Nature	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
				L	T	Lab	Practical		CA	ESE		
							Int	Ext				
T7388	070121401 CS	Engineering Mathematics III	ES	3	2	-	-	-	40	60	4	100
T7510	070121402 CS	Operating Systems	C	3	-	-	-	-	30	45	3	75
T7501	070121403 CS	Java and Web Technologies	C	3	2	-	-	-	40	60	4	100
T7516	070121404 CS	Software Engineering	C	3	2	-	-	-	40	60	4	100
T7488	070121405 CS	Data Structures	C	3	-	-	-	-	30	45	3	75
T7577	070121406 CS	Microprocessor Techniques	ID	3	-	-	-	-	30	45	3	75
T7511	070121407 CS	Operating Systems Lab	C	-	-	2	10	15	-	-	1	25
T7500	070121408 CS	Java and Web Technologies Lab	C	-	-	4	20	30	-	-	2	50
T7489	070121409 CS	Data Structures Lab	C	-	-	2	10	15	-	-	1	25
T7578	070121410 CS	Microprocessor Techniques Lab	ID	-	-	2	10	15	-	-	1	25
		Total		18	6	10	50	75	210	315	26	650

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

Semester V

Temporary Course Code	Course Code	Course Title	Nature	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
				L	T	Lab	Practical		CA	ESE		
							Int	Ext				
T7486	070121501 CS	Data Base Management Systems	C	4	-	-	-	-	40	60	4	100
T7518	070121502 CS	Theory of Computation	C	3	2	-	-	-	40	60	4	100
T7481	070121503 CS	Computer Networks	C	4	-	-	-	-	40	60	4	100
T7490	070121504 CS	Design and Analysis of Algorithms	C	4	-	-	-	-	40	60	4	100
T7487	070121505 CS	Data Base Management Systems Lab	C	-	-	4	20	30	-	-	2	50
T7482	070121506 CS	Computer Networks Lab	C	-	-	2	10	15	-	-	1	25
T7491	070121507 CS	Design and Analysis of Algorithms Lab	C	-	-	2	10	15	-	-	1	25
T7644	070121508 CS	Operations Research	ID	2	2	-	-	-	30	45	3	75
	070121509 CS	Inter Institute Course I	C	2					50	-	2	50
	070121510 CS	Inter Institute Course II	C	2					50	-	2	50
		Total		21	4	8	40	60	290	285	27	675

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

Semester VI

Temporary Course Code	Course Code	Course Title	Nature	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
				L	T	Lab	Practical		CA	ESE		
							Int	Ext				
Group A												
T7671	070121602 CS	Seminar	PD	-	-	-	60	40	-	-	04	100
T7920	070121601 CS	Internship (6 Months)	PD	-	-	-	240	160	-	-	16	400
OR												
	070121609 CS	Global Immersion Program	-	-	-	-	-	-	-	-	16	400
OR												
	070121610 CS	Global Immersion Program	-	-	-	-	-	-	-	-	12	300
	070121611 CS	Project	PD	-	-	-	-	-	100	-	04	100
		Total	-	-	-	-	300	200	-	-	20	500
OR												
Group B												
T7803	070121603 CS	Project	PD	-	-	6	45	30	-	-	3	75
T7905	070121604 CS	Internship(6-8 Weeks)	PD	-	-	10	75	50	-	-	5	125
T7558	070121605 CS	Digital Signal Processing	C	4	-	-	-	-	40	60	4	100
T7475	070121606 CS	Business Informatics	C	3	-	-	-	-	30	45	3	75
T7559	070121607 CS	Digital Signal Processing Lab	C	-	-	2	10	15	-	-	1	25
T7048	070121608 CS	Project Management	GP	4	-	-	-	-	40	60	4	100
		Total		11	-	18	130	95	110	165	20	500

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

Semester VII

Temporary Course Code	Course Code	Course Title	Nature	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
				L	T	Lab	Practical		CA	ESE		
							Int	Ext				
T7493	070121701 CS	Distributed Systems	C	3	-	-	-	-	30	45	3	75
T7517	070121702 CS	System Programming	C	3	-	-	-	-	30	45	3	75
T7507	070121703 CS	Object Oriented Analysis and Design	C	3	-	-	-	-	30	45	3	75
T7138	070121704 CS	Network Security	C	3	-	-	-	-	30	45	3	75
T7494	070121705 CS	Distributed Systems Lab	C	-	-	2	10	15	-	-	1	25
T7479	070121706 CS	Computer Graphics and Multimedia	C	3	-	-	-	-	30	45	3	75
T7508	070121707 CS	Object Oriented Analysis Design Lab	C	-	-	2	10	15	-	-	1	25
T7480	070121708 CS	Computer Graphics and Multimedia Lab	C	-	-	2	10	15	-	-	1	25
T8000	070121709 CS	Service Learning		4	-	-	-	-	100		4	100
Free Elective (Choose any one from 710 to 721)												
T7457	070121710 CS	Integrated Water Resources Development and Management		3	-	-	-	-	30	45	3	75
T7456	070121711 CS	Town and Country Planning		3	-	-	-	-	30	45	3	75
T7499	070121712 CS	JAVA		3	-	-	-	-	30	45	3	75
T7509	070121713 CS	Open Source Technologies		3	-	-	-	-	30	45	3	75
T7474	070121714 CS	Basics of Database		3	-	-	-	-	30	45	3	75
T7574	070121715 CS	MATLAB		3	-	-	-	-	30	45	3	75
T7584	070121716 CS	Printed Circuit Board (PCB) Design		3	-	-	-	-	30	45	3	75
T7616	070121717 CS	Fundamentals of Automotive Technology		3	-	-	-	-	30	45	3	75
T7650	070121718 CS	Six Sigma		3	-	-	-	-	30	45	3	75
T7020	070121719 CS	Nanotechnology		3	-	-	-	-	30	45	3	75
T7394	070121720 CS	Smart Material		3	-	-	-	-	30	45	3	75
T7393	070121721 CS	Computer based Statistical Packages		3	-	-	-	-	30	45	3	75
Total				22	-	6	30	45	280	270	25	625
	070121722 CS	Global Immersion Programme	!	!	!	!	!	!	!	!	16	400

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

Note: Students may complete Global Immersion Programme (070121722 CS) in lieu of the courses "System Programming"(070121702 CS)," "Object Oriented Analysis and Design"(070121703 CS), "Computer Graphics and Multimedia"(070121706 CS) ,"Service Learning" (070121709 CS) and "Basics of Database"(070121714 CS)

Semester VIII

Temporary Course Code	Course Code	Course Title	Nature	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
				L	T	Lab	Practical		CA	ESE		
							Int	Ext				
T7804	070121801 CS	B.Tech Project	PD	-	-	8	40	60	-	-	4	100
T7477	070121802 CS	Compiler Construction	C	3	-	-	-	-	30	45	3	75
T7471	070121803 CS	Advanced Database Management System	C	4	-	-	-	-	40	60	4	100
T7137	070121804 CS	Design Patterns	C	4	-	-	-	-	40	60	4	100
T7139	070121805 CS	Software Testing and Quality Assurance	C	3	-	-	-	-	30	45	3	75
T7478	070121806 CS	Compiler Construction Lab	C	-	-	2	10	15	-	-	1	25
T7472	070121807 CS	Advanced Database Management System Lab	C	-	-	2	10	15	-	-	1	25
T7080	070121808 CS	Software Testing and Quality Assurance Lab	C	-	-	2	10	15	-	-	1	25
Elective – I (Choose any one from 809 to 811)												
T7473	070121809 CS	Artificial Intelligence	C	3	-	-	-	-	30	45	3	75
T7573	070121810 CS	Image Processing and Pattern Recognition	C	3	-	-	-	-	30	45	3	75
T7078	070121811 CS	Software Product Line Management	C	3	-	-	-	-	30	45	3	75
Elective – II (Choose any one from 812 to 814)												
T7568	070121812 CS	Embedded Systems	C	3	-	-	-	-	30	45	3	75
T7476	070121813 CS	Cloud Computing	C	3	-	-	-	-	30	45	3	75
T7470	070121814 CS	Advanced Computer Architecture	C	3	-	-	-	-	30	45	3	75
		Total		20	-	14	70	105	200	300	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

CA- Continuous Assessment

ESE- End Semester Examination

Practical, CA, ESE are separate heads of Passing

Int- Internal (Practical)

Ext- External (Practical)

PD - Professional Development Course

Practical external examination may be conducted by alternate internal faculty