

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				
T7388	070121301 EC	Engineering Mathematics – III	ES	3	2	-	-	-	40	60	4	100
T7587	070121302 EC	Semiconductor Devices and Circuit Applications	C	3	2	-	-	-	40	60	4	100
T7581	070121303 EC	Network Analysis and Synthesis	C	4	-	-	-	-	40	60	4	100
T7553	070121304 EC	Digital Electronics	ID	4	-	-	-	-	40	60	4	100
T7560	070121305 EC	Electrical Machines	C	4	-	-	-	-	40	60	4	100
T7586	070121306 EC	Semiconductor Devices and Circuits Applications Lab	C	-	-	2	10	15	-	-	1	25
T7556	070121307 EC	Digital Electronics Lab	C	-	-	2	10	15	-	-	1	25
T7561	070121308 EC	Electrical Machines Lab	ID	-	-	2	10	15	-	-	1	25
	070121309 EC	Inter Institute Course I	C	2	-	-	-	-	50	-	2	50
	070121310 EC	Inter Institute Course II	C	2	-	-	-	-	50	-	2	50
		Total		22	4	6	30	45	300	300	27	675
T4005	070121311 EC	*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				
T7588	070121401 EC	Signals and Systems	C	3	2	-	-	-	40	60	4	100
T7547	070121402 EC	Control Systems	C	3	2	-	-	-	40	60	4	100
T7535	070121403 EC	Analog Circuit Design	C	4	-	-	-	-	40	60	4	100
T7562	070121404 EC	Electromagnetic Field Theory	C	3	2	-	-	-	40	60	4	100
T7563	070121405 EC	Electronic Measurements And Instrumentation	C	3	-	-	-	-	30	45	3	75
T7548	070121406 EC	Control Systems Lab	C	-	-	2	10	15	-	-	1	25
T7536	070121407 EC	Analog Circuit Design Lab	C	-	-	2	10	15	-	-	1	25
T7564	070121408 EC	Electronic Measurements And Instrumentation Lab	C	-	-	2	10	15	-	-	1	25
T7565	070121409 EC	Electronics Workshop Practice	C	-	-	2	10	15	-	-	1	25
Liberal Arts (Choose any two from 410 to 419)												
T6184	070121410 EC	Basic German I	ID	2	-	-	-	-	50	-	2	50
T6185	070121411 EC	Basic German II	ID	2	-	-	-	-	50	-	2	50

T6186	070121412 EC	Basic French I	ID	2	-	-	-	-	50	-	2	50
T6187	070121413 EC	Basic French II	ID	2	-	-	-	-	50	-	2	50
T6188	070121414 EC	Basic Spanish I	ID	2	-	-	-	-	50	-	2	50
T6189	070121415 EC	Basic Spanish II	ID	2	-	-	-	-	50	-	2	50
T6167	070121416 EC	Basics of Microeconomics	ID	2	-	-	-	-	50	-	2	50
T6168	070121417 EC	Basics of Macroeconomics	ID	2	-	-	-	-	50	-	2	50
T6274	070121418 EC	Foundations of Ethics	ID	2	-	-	-	-	50	-	2	50
T6275	070121419 EC	Concept of Wealth and Prosperity	ID	2	-	-	-	-	50	-	2	50
Total				20	6	8	40	60	290	285	27	675

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				
T7549	070121501 EC	Data Structures and Algorithms	ID	4	-	-	-	-	40	60	4	100
T7558	070121502 EC	Digital Signal Processing	C	3	2	-	-	-	40	60	4	100
T7543	070121503 EC	Communication System Engineering	C	4	-	-	-	-	40	60	4	100
T7575	070121504 EC	Microcontrollers and Applications	C	3	2	-	-	-	40	60	4	100
T7582	070121505 EC	Power Electronics	C	4	-	-	-	-	40	60	4	100
T7550	070121506 EC	Data Structures and Algorithms Lab	ID	-	-	2	10	15	-	-	1	25
T7559	070121507 EC	Digital Signal Processing Lab	C	-	-	2	10	15	-	-	1	25
T7544	070121508 EC	Communication System Engineering Lab	C	-	-	2	10	15	-	-	1	25
T7576	070121509 EC	Microcontrollers and Applications Lab	C	-	-	2	10	15	-	-	1	25
T7583	070121510 EC	Power Electronics Lab	C	-	-	2	10	15	-	-	1	25
Total				18	4	10	50	75	200	300	25	625

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				
T7566	070121601 EC	Embedded System Design	C	3	2	-	-	-	40	60	4	100
T7591	070121602 EC	VLSI Design	C	4	-	-	-	-	40	60	4	100
T7551	070121603 EC	Digital Communication	C	4	-	-	-	-	40	60	4	100
T7580	070121604 EC	Microwaves and Radar	C	3	-	-	-	-	30	45	3	75
T7567	070121605 EC	Embedded System Design Lab	C	-	-	2	10	15	-	-	1	25
T7592	070121606 EC	VLSI Design Lab	C	-	-	2	10	15	-	-	1	25
T7552	070121607 EC	Digital Communication Lab	C	-	-	2	10	15	-	-	1	25
T7579	070121608 EC	Microwave and Radar Lab	C	-	-	2	10	15	-	-	1	25
T7594	070121609 EC	Product Design Lab	C	-	-	2	10	15	-	-	1	25
T8000	070121610 EC	Service Learning	ID	4		-	-	-	100		4	100
Free Elective (Choose any one from 611 to 622)												
T7457	070121611 EC	Integrated Water Resources Development and Management	ID	3	-	-	-	-	30	45	3	75
T7456	070121612 EC	Town and Country Planning	ID	3	-	-	-	-	30	45	3	75
T7499	070121613 EC	JAVA	ID	3	-	-	-	-	30	45	3	75
T7509	070121614 EC	Open Source Technologies	ID	3	-	-	-	-	30	45	3	75
T7474	070121615 EC	Basics of Database	ID	3	-	-	-	-	30	45	3	75
T7574	070121616 EC	MATLAB	ID	3	-	-	-	-	30	45	3	75
T7584	070121617 EC	Printed Circuit Board (PCB) Design	ID	3	-	-	-	-	30	45	3	75
T7616	070121618 EC	Fundamentals of Automotive Technology	ID	3	-	-	-	-	30	45	3	75
T7650	070121619 EC	Six Sigma	ID	3	-	-	-	-	30	45	3	75
T7020	070121620 EC	Nanotechnology	ID	3	-	-	-	-	30	45	3	75
T7394	070121621 EC	Smart Material	ID	3	-	-	-	-	30	45	3	75
T7393	070121622 EC	Computer based Statistical Packages	ID	3	-	-	-	-	30	45	3	75
Total				21	2	10	50	75	280	270	27	675

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				
Group A												
T7920	070121701 EC	Internship (6 Months)	PD	-	-	-	240	160	-	-	16	400
T7671	070121702 EC	Seminar	PD	-	-	-	60	40	-	-	4	100
	070121709 EC	Global Immersion Program	C	-	-	-	-	-	-	-	-	-
		Total		-	-	-	300	200	-	-	20	500
OR												
Group B												
T7803	070121703 EC	Project	PD	-	-	6	45	30	-	-	3	75
T7905	070121704 EC	Internship (8 weeks)	PD	-	-	10	75	50	-	-	5	125
T7139	070121705 EC	Software Testing and Quality Assurance	C	3	-	-	-	-	30	45	3	75
T7110	070121706 EC	System on Chip	C	4	-	-	-	-	40	60	4	100
T7080	070121707 EC	Software Testing and Quality Assurance Lab	C	-	-	2	10	15	-	-	1	25
T7048	070121708 EC	Project Management	GP	4	-	-	-	-	40	60	4	100
		Total		11	-	18	130	95	110	165	20	500

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 EC	B.Tech.Project	C	-	-	8	40	60	-	-	4	100
T7530	070121802 EC	Advanced Communication Systems	C	4	-	-	-	-	40	60	4	100
T7545	070121803 EC	Computer Communication Networks	C	4	-	-	-	-	40	60	4	100
T7537	070121804 EC	Antenna and Wave Propagation	C	4	-	-	-	-	40	60	4	100
T7531	070121805 EC	Advanced Communication Systems Lab	C	-	-	2	10	15	-	-	1	25
T7546	070121806 EC	Computer Communication Networks Lab	C	-	-	2	10	15	-	-	1	25
Elective – I (Choose any one from 807 to 810)												
T7590	070121807 EC	Modern Control Theory	C	4	-	-	-	-	40	60	4	100
T7557	070121808 EC	Fundamentals of Digital Image Processing	C	4	-	-	-	-	40	60	4	100
T7542	070121809 EC	CMOS VLSI Design	C	4	-	-	-	-	40	60	4	100
T7585	070121810 EC	Radar Engineering	C	4	-	-	-	-	40	60	4	100
Elective – II (Choose any one from 811 to 814)												
T7539	070121811 EC	Automation and Robotics	C	4	-	-	-	-	40	60	4	100
T7086	070121812 EC	Advanced Digital Signal Processing	C	4	-	-	-	-	40	60	4	100
T7572	070121813 EC	FPGA Design	C	4	-	-	-	-	40	60	4	100
T7541	070121814 EC	Cellular and Mobile Communication	C	4	-	-	-	-	40	60	4	100
Total				20	-	12	60	90	200	300	26	650

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

Int- Internal (Practical)

Ext- External (Practical)

Practical external examination may be conducted by alternate internal faculty