Electronics & Communication

Semester III

Subject code	Subject name	Teaching Scheme (Hours)			Credits	Theory Marks		Practical Marks		Total Marks	Branch Code
		Theory	Tutorial	Practical		ESE(E)	PA (M)	Viva (V)	PA(I)		
	Advanced Engineering Mathematics	3	2	0	5	70	30	30	20	150	11
	Electronics Devices & Circuits	4	0	2	6	70	30	30	20	150	11
	Circuits and Networks	4	0	2	6	70	30	30	20	150	11
	Digital Electronics	4	0	2	6	70	30	30	20	150	11
	Electrical Machines	3	0	2	5	70	30	0	0	100	11
	Simulation and Design Tools	0	0	2	2	0	0	100	50	150	11
	Total	18	2	10	30						

Semester IV

Subject code	Subject name	Teaching Scheme (Hours)			Credits	Theory Marks		Practical Marks		Total Marks	Branch Code
		Theory	Tutorial	Practical		ESE(E)	PA (M)	Viva (V)	PA(I)		
	Signals and Systems	3	0	2	5	70	30	30	20	150	11
	Engineering Economics and Management	3	0	0	3	70	30	0	0	100	11
	Microprocessor and Interfacing	3	0	2	5	70	30	30	20	150	11
	Electronics Measurement and Instrumentation	3	0	2	5	70	30	30	20	150	11
	Analog Circuit Design	4	0	2	6	70	30	30	20	150	11
	Control theory	4	0	2	6	70	30	30	20	150	11
	Total	20	0	10	30						

Semester V

Subject code	Subject name	Teaching Scheme (Hours)			Credits	Theory Marks		Practical Marks		Total Marks	Branch Code
		Theory	Tutorial	Practical		ESE(E)	PA (M)	Viva (V)	PA(I)		
	Microcontroller and its applications	4	0	2	6	70	30	30	20	150	11
	Engineering Electromagnetics	4	0	2	6	70	30	30	20	150	11
	Audio Video Systems	3	0	2	5	70	30	30	20	150	11
	Electronics & Communication	4	0	2	6	70	30	30	20	150	11
	Applied Electronics (Institute Elective)	3	0	2	5	70	30	30	20	150	11
	Mini project	0	0	2	2	0	0	100	50	150	11
	Total	18	0	12	30						

Semester VI

Subject code	Subject name	Teaching Scheme (Hours)			Credits	Theory Marks		Practical Marks		Total Marks	Branch Code
		Theory	Tutorial	Practical		ESE(E)	PA (M)	Viva (V)	PA(I)		
	Digital Communication	4	0	2	6	70	30	30	20	150	11
	Antenna & Wave Propagation	4	0	2	6	70	30	30	20	150	11
	VLSI Technology & Design	4	0	2	6	70	30	30	20	150	11
	Optical Communication	4	0	2	6	70	30	30	20	150	11
	Departmental Elective - I	4	0	2	6	70	30	30	20	150	11
	Total	20	0	10	30						

Semester VII

Subject code	Subject name	Teaching Scheme (Hours)			Credits	Theory Marks		Practical Marks		Total Marks	Branch Code
		Theory	Tutorial	Practical		ESE(E)	PA (M)	Viva (V)	PA(I)		
	Microwave Engineering	4	0	2	6	70	30	30	20	150	11
	Digital Signal Processing	4	0	2	6	70	30	30	20	150	11
	Wireless Communication	4	0	2	6	70	30	30	20	150	11
	Departmental Elective - II	4	0	2	6	70	30	30	20	150	11
	Departmental Elective - III	4	0	2	6	70	30	30	20	150	11
	Total	20	0	10	30						

Semester VIII

Subject code	Subject name	Teaching Scheme (Hours)			Credits	Theory Marks		Practical Marks		Total Marks	Branch Code
		Theory	Tutorial	Practical		ESE(E)	PA (M)	Viva (V)	PA(I)		
	Project including PSAR	0	0	30	30	0	0	100	50	150	11
	Total	0	0	30	30						

Departmental Elective - I
Advanced Microprocessor
Power Electronics
Data Communication & Networking

Departmental Elective - II
Embedded Systems
Biomedical Instrumentation
Satellite Communication
Industrial Automation

Departmental Elective - III
Fundamentals of Image Processing
Radar & Navigational Aids
Device Driver & Writing
Testing And Verification

Note: ALA Component, OEP Component and Design Module I, II and III (to be offered in 2nd Year , 3rd year and 4th year respectively) shall be displayed in the final teaching scheme