

**ECE IV. B.Tech, I-SEMESTER**

S.No.	Category	Subject code	Name of subject	Credits			Total credits	Hours			Total Hours	Total Marks
				L	T	P		L	T	P		
1	HS	GR14A3102	Management Science	2	1		3	2	2		4	100
2	ES	GR14A3048	Electronic Measurements and Instrumentation	3	1		4	3	2		5	100
3	ES	GR14A3070	Embedded Systems	3	1		4	2	2		5	100
4	PE	GR14A4060/ GR14A4070/ GR14A3057	<b>Elective-I:</b> Cellular Mobile Communication/ Radar Systems /Software Engineering	3	1		4	3	2		5	100
5	PE	GR14A4061/ GR14A4064/ GR14A3059/	<b>Elective-II:</b> Optical Communications/ Digital Design Through Verilog /Web Technologies	3	1		4	3	2		5	100
6	ES	GR14A4066	Microwave Engineering Lab			2	2			4	4	75
7	ES	GR14A4067	Communication Protocols Lab			2	2			4	4	75
8	ES	GR14A4113	Embedded Systems Lab			2	2			4	4	75
<b>Total</b>				14	5	6	25	14	10	12	36	725

**ECE IV. B.Tech, II-SEMESTER**

S.No.	Category	Subject code	Name of subject	Credits			Total credits	Hours			Total Hours	Total Marks
				L	T	P		L	T	P		
1	ES	GR14A4069	Digital Image Processing	2	1		3	2	2		4	100
2	PE	GR14A4062/ GR14A4071/ GR14A4063/	<b>Elective-III:</b> Multimedia and Signal Coding /Electronic Navigation Systems /Wireless Communications and Networks	2	1		3	2	2		4	100
3	PE	GR14A4073/ GR14A4072/ GR14A4075/	<b>Elective-IV:</b> Cellular Mobile Application Development Digital Signal Processors and Architectures Satellite Communications	2	1		3	2	2		4	100
4	ES	GR14A4076	Digital Image Processing Lab			2	2			4	4	75
5	SPW	GR14A4143	Seminar			2	2			4	4	50
6	SPW	GR14A4142	Comprehensive Viva			2	2			4	4	100
7	SPW	GR14A4144	Major Project			10	10			12	12	200
<b>Total</b>				6	3	16	25	6	6	24	36	725