

II B.TECH.(4YDC) ELECTRONICS & TELECOMMUNICATIONS ENGINEERING

Semester: III

S. No.	Subject Category	Subject Code	Subject Name	Periods per Week			Credits		Max Marks				
				L	T	P	Th	Pr	Theory		Practical		Total
									Th.	CW	SW	Pr.	
1	BSC	MA25014	Mathematics-III	4	1	-	4	-	70	30	0	0	100
2	PCC	EC25016	Electronics Devices	4	-	2	3	1	70	30	40	60	200
3	PCC	EC25017	Signals and Systems	4	-	-	3	-	70	30	0	0	100
4	PCC	EE 25004	Network Theory & Analysis	4	-	2	3	1	70	30	40	60	200
5	PCC	EC25018	Digital System Design	4	-	2	3	1	70	30	40	60	200
6	HSMC	HU25005	Economics for Engineers	4	-	-	3	-	70	30	0	0	100
			Total	24	1	6	19	3	420	180	120	180	900

Semester: IV

S. No.	Subject Category	Subject Code	Subject Name	Periods per Week			Credits		Max Marks				
				L	T	P	Th	Pr	Theory		Practical		Total
									Th.	CW	SW	Pr.	
1	BSC	MA25563	Mathematics-IV	4	1	-	4	-	70	30	0	0	100
2	PCC	EC25564	Electromagnetic Waves	4	-	-	3	-	70	30	0	0	100
3	PCC	EC25565	Analog Circuits	4	-	2	3	1	70	30	40	60	200
4	BSC	EC25566	Probability Theory and Stochastic Processes	4	-	-	3	-	70	30	0	0	100
5	PCC	EC25567	Analog and Digital Communication	4	-	2	3	1	70	30	40	60	200
6	ESC	EC25568	Electronics Workshop	-	-	4	-	2	0	0	40	60	100
7	HSMC	HU25881	Values, Humanity and Professional	0	3	0	2	-	0	100	-	-	100
			Total	20	4	8	18	4	350	250	120	180	900

Internship 1	2-4 Weeks
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III B.Tech.(4YDC) ELECTRONICS & TELECOMMUNICATIONS ENGINEERING

SEMESTER - V

S. No.	Subject Categor	Sub. Code	Subject	Periods per Week			Th. Credit	Pr. Credit	Maximum Marks				
				L	T	P			Th.	CW	SW	Pr.	Total
1	PCC	EC35008	Microprocessors and Microcontrollers	4	-	2	3	1	70	30	40	60	200
2	PCC	EC35009	Antenna and Wave Propagation	4	-	2	3	1	70	30	40	60	200
3	PCC	EC35010	VLSI Design	4	-	2	3	1	70	30	40	60	200
4	PCC	EC35011	Data Communication	4	-		3		70	30			100
5	PEC-1		Program Elective - I	4	-	2	3	1	70	30	40	60	200
6		EC35481	Evaluation of Internship-1	-	-		-	2	0	0	100	0	100
			Total	20	0	8	15	6	350	150	260	240	1000

SEMESTER:VI

S. No.	Subject Categor	Sub. Code	Subject	Periods per Week			Th. Credit	Pr. Credit	Maximum Marks				
				L	T	P			Th.	CW	SW	Pr.	Total
1	PCC	EE35510	Control Systems	4	-	-	3	-	70	30	0	0	100
2	PCC	EC35511	Mobile Communication	4	-	-	3	-	70	30	0	0	100
3	PCC	EC35513	Computer Networks	4	-	2	3	1	70	30	40	60	200
4	PCC	EC35514	Applied Digital Signal Processing	4	-	2	3	1	70	30	40	60	200
5	PEC-2		Program Elective-II	4	-		3		70	30			100
6	ESC	EC35881	Electronics design & Simulation Workshop	-	-	4	-	2	0	0	40	60	100
			Total	20	0	8	15	4	350	150	120	180	800
Internship 2			2-4 Weeks										

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Program Elective - I		SEMESTER - V
S.No.	Sub. Code	Subject
1	CO35251	Data Structure & Operating system
2	EC35252	Electronics Measurement

Program Elective-II		SEMESTER - VI
S.No.	Sub. Code	Subject
1	EC35651	Embedded Systems
2	IT35652	Intelligent systems

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SEMESTER - VII

S. No.	Sub. Code	Subject	Periods per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
1	EC45056	Optical Communications	4	-	2	3	1	70	30	40	60	200
2	EC45005	Data Communication & Computer Networks	4	-	2	3	1	70	30	40	60	200
3	EC45007	Mobile Communication Systems	4	1	-	4	0	70	30	-	-	100
4	EC45008	Microprocessors & Microcontrollers	4	-	2	3	1	70	30	40	60	200
5		Elective -I	4		-	3	0	70	30	-	-	100
6	EC45499	Major Project Phase-I (AB group)	-	-	4	0	2	-	-	40	60	100
7	EC45999	Major Project Phase-II (BA group)			12	0	6			40	60	100
Total		For AB Group	20	1	10	16	5	350	150	160	240	900
		For BA Group	20	1	18	16	9	350	150	160	240	900
Optional Subject(s)												
8		Open Category-III (Audit Only)	-	-	-	-	-	-	-	-		

SEMESTER - VIII

S. No.	Sub. Code	Subject	Periods per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
1		Elective -II	4	-	-	3	-	70	30	-	-	100
2		Elective -III	4	-	2	3	1	70	30	40	60	200
3	EC45881	Industrial Training/Internship/Seminar*	-	-	-	-	8	-	-	100	-	100
4	EC45999	Major Project Phase-II (AB group)			12		6			40	60	100
5	EC45499	Major Project Phase-I (BA group)	-	-	4	0	2	-	-	40	60	100
Total		For AB Group	8	0	14	6	15	140	60	180	120	500
		For BA Group	8	0	6	6	11	140	60	180	120	500

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Elective I		SEMESTER VII
S.No.	Sub. Code	Subject
1	CO45201	Artificial Intelligence
2	EI45223	VLSI Technology (EI4523)
3	EC45202	Advanced Topics in Communication
4	EC45204	Performance Evaluation of Networks
5	EC45205	Broad Band Communication
7	BM45206	Digital Image Processing
8	EE45203	Industrial & Power Electronics(EE4503)

Elective II		SEMESTER VIII
S.No.	Sub. Code	Subject
1	EC45678	Wireless Network(EC4578)
2	EC45601	Modelling and Simulation
3	EC45659	Satellite & Radar Communication Systems(EC4559)

Elective III		SEMESTER VIII
S.No.	Sub. Code	Subject
1	EC45701	RF & Microwave Circuit Design
2	EC45703	Embedded System Design
3	IT45702	Machine Learning