

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

NEP 2020 Compliant Curriculum Structure

Second Year B. Tech (2025 Pattern) with effect from A.Y. 2026-27

Semester-III			Teaching Scheme (Hours/Week)			Credit				Examination/ Evaluation Scheme						
Course Type	Course Code	Course Title	L	T	P	L	T	P	Total	CCE [40%]		ESE [60%]	TW	PR	OR	Total
										CCE1	CCE2					
PCC	ET-PCC-S01	Electronic Circuits	3	-	-	3	-	-	3	16	24	60	-	-	-	100
	ET-PCC-S02	Digital Electronics	3	-	-	3	-	-	3	16	24	60	-	-	-	100
	ET-PCC-S03	Electronic Circuits Lab	-	-	2	-	-	1	1	-	-	-	25	25	-	50
	ET-PCC-S04	Digital Electronics Lab	-	-	2	-	-	1	1	-	-	-	25	25	-	50
	ET-PCC-S05	Microcontrollers	1	-	2	1	-	1	2	-	-	-	25	-	25	50
MDM	ET-MDM-S06	Data Structures and Algorithms	3	-	-	3	-	-	3	16	24	60	-	-	-	100
	ET-MDM-S07	Data Structures and Algorithms Lab	-	-	2	-	-	1	1	-	-	-	25	25	-	50
OE	ET-OE1-S08	OE-1	2	-	-	2	-	-	2	16	24	60	-	-	-	100
EEM	ET-EEM-S09	Engineering Economics	1	1	-	1	1	-	2	-	-	-	25	-	25	50
VEC	ET-VEC-S10	Universal Human Values and Ethics	1	1	-	1	1	-	2	-	-	-	50	-	-	50
CEP	ET-CEP-S11	Community Engagement Project (Field Project)	-	-	4	-	-	2	2	-	-	-	50	-	-	50
Total (Teaching Hours, Credits, Marks)			14	2	12	14	2	6	22	64	96	240	225	75	50	750
Honors	ET-HNR-S01	Fundamentals of Robotics	2	-	-	2	-	-	2	16	24	60	-	-	-	100

L-Lecture; T-Tutorial; P-Practical; CCE-Continuous and Comprehensive Evaluation; ESE-End Semester Examination; TW-Term Work; PR/OR-Practical/Oral

Open Elective (OE-1)	
1	ET-OE1-S08A- Industry Standards and Practices
2	ET-OE1-S08B- Digital Marketing
3	ET-OE1-S08C- Creative Writing for Engineers

Dr. S. M. M. Naidu

Chairman, BoS- Dept. of E&TC

Dr. Vaishali V. Patil

Principal

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Semester-IV			Teaching Scheme (Hours/Week)			Credit				Examination/ Evaluation Scheme						
Course Type	Course Code	Course Title	L	T	P	L	T	P	Total	CCE[40%]		ESE [60%]	TW	PR	OR	Total
PCC	ET-PCC-S12	Communication Engineering	3	-	-	3	-	-	3	16	24	60	-	-	-	100
	ET-PCC-S13	Signals and Systems	2	-	-	2	-	-	2	16	24	60	-	-	-	100
	ET-PCC-S14	Control Systems	2	-	-	2	-	-	2	16	24	60	-	-	-	100
	ET-PCC-S15	Communication Engineering Lab	-	-	2	-	-	1	1	-	-	-	25	25	-	50
	ET-PCC-S16	Signals and Control Systems Lab	-	-	2	-	-	1	1	-	-	-	25	-	25	50
MDM	ET-MDM-S17	Object Oriented Programming	2	-	2	2	-	1	3	8	12	30	50	-	-	100
OE	ET-OE2-S18	OE-2	2	-	-	2	-	-	2	8	12	30	-	-	-	50
VSEC	ET-VSE-S19	HDL Programming (Verilog)	1	-	2	1	-	1	2	-	-	-	25	25	-	50
AEC	ET-AEC-S20	Employability Skills Development	1	1	-	1	1	-	2	-	-	-	25	-	25	50
EEM	ET-EEM-S21	Entrepreneurship Skill Development	1	1	-	1	1	-	2	-	-	-	25	-	25	50
VEC	ET-VEC-S22	SDGs for Engineering Practice	1	-	2	1	-	1	2	-	-	-	50	-	-	50
Total (Teaching Hours, Credits, Marks)			15	2	10	15	2	5	22	64	96	240	225	50	75	750
Honors	ET-HNR-S02	Sensors and Actuators for Robotics	3	-	2	3	-	1	4	16	24	60	50	-	-	150

L-Lecture; T-Tutorial; P-Practical; CCE-Continuous and Comprehensive Evaluation; ESE-End Semester Examination; TW-Term Work; PR/OR-Practical/Oral

Open Elective (OE-2)	
1	ET-OE2-S18A- Probability and Statistics for Data Analytics
2	ET-OE2-S18B- Financial Management
3	ET-OE2-S18C- Automotive Course-1

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