

B N M Institute of Technology

An Autonomous Institution under VTU. Approved by AICTE

Department: Electronics and Communication Engineering

Scheme of Teaching and Examination-Autonomous - (Effective from Academic year 2024-25) Batch:2024-2028

Third Semester B.E (ECE)

Sl. No	Course Type	Course Code	Course Title	Teaching Dept	Teaching Hours /Week					Credits	Examination		
					L	T	P	J	Hours/ Week		CIA Marks	SEA Marks	Total Marks
1	MAT	24MAE131	Fourier Series, Transforms and Statistical Techniques	MAT	2	2	-	-	4	3	50	50	100
2	PCC	24ECE132	Network Analysis	ECE	2	2	-	-	4	3	50	50	100
3	PCI	24ECE133	Data structures using C	ECE	2	-	2	-	4	3	50	50	100
4	PCI	24ECE134	Analog Electronics Circuits	ECE	3	-	2	-	5	4	50	50	100
5	PCI	24ECE135	Digital System Design using Verilog	ECE	3	-	2	-	5	4	50	50	100
6	PBL	24ECE136	Advanced Python Programming on RaspberryPi	ECE	-	-	2	2	4	2	50	50	100
7	UHV	24CIP137	Constitution of India and Professional Ethics , IKS and UHV	HSS	1	-	-	-	1	1	100	-	100
8	AEC	24SFT138	Soft Skill -1	HSS	-	2	-	-	2	1	100	-	100
9	IPL	24ECE139	Innovative Project Lab -1	ECE	-	-	-	2	2	1	100	-	100
TOTAL CONTACT HOURS					13	6	8	4	31	22	600	300	900

L-Theory lecture, T – Tutorial, P – Practical, J – Project NCMC- Non Credit Mandatory Course

CIA: Continuous Internal Assessment, SEA: Semester End Assessment

Yadav
18/08/2025

Head of the Department
Electronics & Communication Engineering
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Fourth Semester B.E (ECE)

Sl. No	Course Type	Course Code	Course Title	Teaching Dept	Teaching Hours /Week						Examination		
					L	T	P	J	Hours/ Week	Credits	CIA Marks	SEA Marks	Total Marks
1	MAT	24MAE141	Complex Analysis, Probability and Random Process	MAT	2	2	-	-	4	3	50	50	100
2	PCC	24ECE142	Digital Signal Processing	ECE	3	2	-	-	5	4	50	50	100
3	PCI	24ECE143	Control Systems	ECE	1	2	2	-	3	3	50	50	100
4	PCI	24ECE144	ARM Microcontroller and its Applications	ECE	3	-	2	-	5	4	50	50	100
5	PCI	24ECE145	Analog and Digital Communication	ECE	3	-	2	-	5	4	50	50	100
6	PBL	24ECE146	Signal Processing Applications using MATLAB	ECE	-	-	2	2	4	2	50	50	100
7	INT	24ECE147	Internship - I / Innovative Project Lab - 2	ECE	-	-	2	2	4	2	100	-	100
8	AEC	24SFT148	Soft Skill -2	HSS	-	2	-	-	2	1	100	-	100
TOTAL CONTACT HOURS					12	8	10	4	32	23	500	300	800


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