

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:2023-2027

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	23MAC131	Fourier Series, Transforms, Numerical and Statistical Techniques	MAT	2	2	-	-	4	3	50	50	100
2	PCC	23ECE132	Network Analysis	ECE	2	2	-	-	4	3	50	50	100
3	PCI	23ECE133	Data structures using C	ECE	2	-	2	-	4	3	50	50	100
4	PCI	23ECE134	Analog Electronics Circuits	ECE	3	-	2	-	5	4	50	50	100
5	PCI	23ECE135	Digital System Design using Verilog	ECE	3	-	2	-	5	4	50	50	100
6	PBL	23ECE136	Advanced Python Programming on RaspberryPi	ECE	-	-	2	2	4	2	50	50	100
7	UHV	23CIP137	Constitution of India and Professional Ethics	HSS	1	-	-	-	1	1	100	-	100
8	AEC	23SFT138	Soft Skill -1	HSS	-	2	-	-	2	1	100	-	100
9	IPL	23ECE139	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

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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	23MAC141	Complex Analysis, Probability and Random Process	MAT	2	2	-	-	4	3	50	50	100
2	PCC	23ECE142	Digital Signal Processing	ECE	3	2	-	-	5	4	50	50	100
3	PCI	23ECE143	Control Systems	ECE	1	2	2	-	3	3	50	50	100
4	PCI	23ECE144	ARM Microcontroller and its Applications	ECE	3	-	2	-	5	4	50	50	100
5	PCI	23ECE145	Analog and Digital Communication	ECE	3	-	2	-	5	4	50	50	100
6	PBL	23ECE146	Signal Processing Applications using MATLAB	ECE	-	-	2	2	4	2	50	50	100
7	AEC	23SFT147	Soft Skill -2	HSS	-	2	-	-	2	1	100	-	100
8	INT	23ECE148	Internship - I / Innovative Project Lab - 2	ECE	-	-	2	2	4	2	100	-	100
TOTAL CONTACT HOURS					12	8	10	4	32	23	500	300	800