

B.N.M Institute of Technology

An Autonomous Institution Under VTU

Approved by AICTE, Accredited as Grade A Institution by NAAC.

All UG branches – CSE, ECE, EEE, ISE & Mech.Engg Accredited by NBA for academic years 2018-19 to 2024-25 & valid upto 30.06.2025

Post box no. 7087, 27th cross, 12th Main, Banashankari 2nd Stage, Bengaluru- 560070, INDIA

Ph: 91-80- 26711780/81/82 Email: principal@bnmit.in, www.bnmit.org

Department of Electrical and Electronics Engineering

Proposed 2022 Scheme for Autonomous Program

Summary of Semester wise Credits and Contact hours

Sl. No.	Semester	Credits	Contact hours
1	1	20	29
2	2	20	29
3	3	22	32
4	4	21	30
5	5	22	31
6	6	23	30
7	7	16	22
8	8	17	31
	Total	161	234

Semester: III EEE

Sl. No.	Course and Course Code		Course Title	Teaching Department	Teaching Hours/week					Credits	Examination		
					Theory Lecture	Tutorial	Practical	Project	Total Hours		CIA	SEA	Total
					L	T	P	J					
1	BSC	22MAC131	Fourier Series, Transforms and Statistical Technique	Mathematics	2	1	1	--	4	3	50	50	100
2	PCC	22EEE132	Generation, Transmission and Distribution	EEE	2	2	--	--	4	3	50	50	100
3	PCC	22EEE133	Network Analysis	EEE	2	2	--	--	4	3	50	50	100
4	PCI	22EEE134	Transformers and Induction Motors	EEE	3	--	2	--	5	4	50	50	100
5	PCI	22EEE135	Analog and Digital Electronics	EEE	3	--	2	--	5	4	50	50	100
6	PBL	22EEE136	Python Programming for Electrical Engineers	EEE	--	--	2	2	4	2	50	50	100
7	HSS	22CIP137	Constitution of India and Professional Ethics	HSS	--	2	--	--	2	1	100	--	100
8	AEC	22SFT138	Soft Skills -I	HSS	--	2	--	--	2	1	100	--	100
9	IPL	22EEE139	Innovative Project Lab (Social Concern)	EEE	--	--	--	2	2	1	100	--	100
			Total		12	9	7	4	32	22	600	300	900

**** L-Theory lecture, T – Tutorial, P – Practical, J – Project**

CIA: Continuous Internal Assessment, SEE: Semester End Assessment, NCMC: Non Credit Mandatory Course

AICTE Activity points to be earned by students admitted to BE day college programme

Over and above the academic grades, every day college regular student admitted to the 4 year Degree programme and every student entering 4 years degree programme though lateral entry, shall earn 100 and 75 activity points respectively for the award of degree through AICTE activity programme. The activities can be spread over the years, anytime during the semester weekends and holidays, as per the liking and convenience of the student from the year of entry to the programme. However, minimum hour's requirement should be fulfilled. Activity points have no effect on SGPA/CGPA and shall not be considered for vertical progression.

Semester: IV EEE

Sl. No.	Course and Course code		Course Title	Teaching Department	Teaching Hours/week					Credits	Examination		
					Theory Lecture	Tutorial	Practical/ Training	Project	Total Hours		CIA	SEA	Total
					L	T	P	J					
1	BSC	22MAC141	Complex Analysis, Probability and Random Process	Mathematics	2	1	1	--	4	3	50	50	100
2	PCC	22EEE142	Linear Control Systems	EEE	2	2	--	--	4	3	50	50	100
3	PCI	22EEE143	Electrical Motors and Synchronous Machines	EEE	3	--	2	--	5	4	50	50	100
4	PCI	22EEE144	Power Electronic Devices and Circuits	EEE	3	--	2	--	5	4	50	50	100
5	PBL	22EEE145	Simulation of Electrical and Electronic Circuits	EEE	--	--	2	2	4	2	50	50	100
6	PCC	22EEE146	Electronic Instrumentation and measurements	EEE	2	--	--	--	2	2	50	50	100
7	AEC	22SFT147	Soft Skills - 2	HSS	--	2	--	--	2	1	100	--	100
8	INT	22EEE148	Internship- 1 / Innovative Project Lab	EEE	--	--	2	2	4	2	100	--	100
			Total		12	5	9	4	30	21	500	300	800

Internship: All the students registered to II year of BE shall have to undergo mandatory internship of 4 weeks during II semester or III semester vacation. Semester End Assessment will be conducted in IV semester and the prescribed credit will be included. Internship shall be considered as a head of passing and shall be considered for the award of degree.

AICTE Activity points to be earned by students admitted to BE day college programme

Over and above the academic grades, everyday college regular student admitted to the 4 year Degree programme and every student entering 4 years degree programme though lateral entry, shall earn 100 and 75 activity points respectively for the award of degree through AICTE activity programme. The activities can be spread over the years, anytime during the semester weekends and holidays, as per the liking and convenience of the student from the year of entry to the programme. However, minimum hour's requirement should be fulfilled. Activity points have no effect on SGPA/CGPA and shall not be considered for vertical progression.