

B.N.M. Institute of Technology
An Autonomous Institution under VTU. Approved by AICTE

Scheme of Teaching 2025-26

I Semester (Physics Cycle)

Sl. No.	Course Code	Course Title	Type of Course	Department/ BOS	Contact Hours					Credits	Examination			
					Lecture	Tutorial	Practical	Project	Total		Duration in hours	CIA	SEA	Total
					L	T	P	J						
1	25MAC111/ 25MAE111	Calculus & Linear Algebra	PCC	Mathematics	2	2	2	-	6	4	3	50	50	100
2	25PHC112/ 25PHE112	Applied Physics	PCI	Physics	2	2	2	-	6	4	3	50	50	100
3	25BEE113	Basic Electrical & Electronics Engg.	PCI	Electrical & Electronics Engg.	1	2	2	-	5	3	3	50	50	100
4	25MCT114	Mechanical & Civil Engg. Technology	PCC	Mechanical Engg.	2	2	-	-	4	3	3	50	50	100
5	25PPA115	Python Programming & Applications	PCI	Computer Sci. & Engg.	2	-	2	-	4	3	3	50	50	100
6	25PCS116	Professional Communication Skills	HSS	Humanities	-	2	-	-	2	1	2	50	50	100
7	25EVS117	Environmental Science	HSS	Humanities	-	2	-	-	2	1	2	50	50	100
8	25LCA118	Liberal & Creative Arts	AEC	Humanities	-	-	2	-	2	1	2	50	50	100
Total					9	12	10	0	31	20	21	400	400	800

PCC: Professional Core Course, PCI: Professional Core Integrated Lab, PBL: Project Based Learning, AEC : Ability Enhancement Course, UHV : Universal Human Value, HSS - Humanities and Social Science Course

CIA: Continuous Internal Assessment, SEA: Semester End Assessment.

All the students registered to I year of BE shall have to undergo mandatory internship of 3 weeks during the intervening vacation of II & III semester. Final viva-voce assessment will be conducted in IV semester and the prescribed credit will be included. The Internship shall be considered as a head of passing and shall be considered for the vertical progression and shall be considered for the award of degree.

AICTE Activity Points to be earned by students admitted to BE day college programme (For more details refer to Chapter 6, AICTE Activity Point Programme, Model Internship Guidelines): Over and above the academic grades, every Day College regular student admitted to the 4 years Degree programme and every student entering 4 years Degree programme through lateral entry, shall earn 100 and 75 Activity Points respectively for the award of degree through AICTE Activity Point Programme. Students transferred from other institutions and Universities to the fifth semester are required to earn 50 Activity Points from the year of entry to BNMIT. The Activity Points earned shall be reflected on the student's eighth semester Grade Card. 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, the minimum hours' requirement should be fulfilled. Activity Points (non-credit) do not affect SGPA/CGPA and shall not be considered for vertical progression. In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of the degree only after the release of the Eighth semester Grade Card.

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I Semester (Chemistry Cycle)

Sl. No.	Course Code	Course Title	Type of Course	Department/ BOS	Contact Hours					Credits	Examination			
					Lecture	Tutorial	Practical	Project	Total		Duration in hours	CIA	SEA	Total
					L	T	P	J						
1	25MAC111/ 25MAE111	Calculus & Linear Algebra	PCC	Mathematics	2	2	2	-	6	4	3	50	50	100
2	25CHC112/ 25CHE112	Applied Chemistry	PCI	Chemistry	2	2	2	-	6	4	3	50	50	100
3	25BEE113	Basic Electrical & Electronics Engg.	PCI	Electrical & Electronics Engg.	1	2	2	-	5	3	3	50	50	100
4	25EGD114	Engineering Graphics & Design	PCI	Mechanical Engg.	2	-	2	-	4	3	3	50	50	100
5	25PPA115	Python Programming & Applications	PCI	Computer Sci. & Engg.	2	-	2	-	4	3	3	50	50	100
6	25PCS116	Professional Communication Skills	HSS	Humanities	-	2	-	-	2	1	2	50	50	100
7	25KAN117	Kannada	HSS	Humanities	1	-	-	-	1	1	2	50	50	100
8	25IDT118	Innovation & Design Thinking	PBL	Mechanical Engg.	-	-	-	2	2	1	2	50	50	100
9	25SFH119	Scientific Foundation of Health & Yoga	UHV	Humanities	1	-	-	-	1	NCMC	2	50	50	100
Total					11	8	10	2	31	20	23	450	450	900

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II Semester (Physics Cycle)

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					Lecture	Tutorial	Practical	Project	Total		Duration in hours	CIA	SEA	Total
					L	T	P	J						
1	25MAC121/ 25MAE121	Advanced Calculus and Numerical methods	PCC	Mathematics	2	2	2	-	6	4	3	50	50	100
2	25PHC122/ 25PHE122	Applied Physics	PCI	Physics	2	2	2	-	6	4	3	50	50	100
3	25ETC123	Introduction to IOT	PCI	Electronics & Communication Engg.	1	2	2	-	5	3	3	50	50	100
4	25MCT124	Mechanical & Civil Engg. Technology	PCC	Mechanical Engg.	2	2	-	-	4	3	3	50	50	100
5	25PSC125	Problem solving using C	PCI	Computer Sci. & Engg.	2	-	2	-	4	3	3	50	50	100
6	25TCS126	Technical Communication Skills	HSS	Humanities	-	2	-	-	2	1	2	50	50	100
7	25EVS127	Environmental Science	HSS	Humanities	-	2	-	-	2	1	2	50	50	100
8	25LCA128	Liberal & Creative Arts	AEC	Humanities	-	-	2	-	2	1	2	50	50	100
Total					9	12	10	0	31	20	21	400	400	800

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					Lecture	Tutorial	Practical	Project	Total		Duration in hours	CIA	SEA	Total
					L	T	P	J						
1	25MAC121/ 25MAE121	Advanced Calculus and Numerical methods	PCC	Mathematics	2	2	2	-	6	4	3	50	50	100
2	25CHC122/ 25CHE122	Applied Chemistry	PCI	Chemistry	2	2	2	-	6	4	3	50	50	100
3	25ETC123	Introduction to IOT	PCI	Electronics & Communication Engg.	1	2	2	-	5	3	3	50	50	100
4	25EGD124	Engineering Graphics & Design	PCI	Mechanical Engg.	2	-	2	-	4	3	3	50	50	100
5	25PSC125	Problem solving using C	PCI	Computer Sci. & Engg.	2	-	2	-	4	3	3	50	50	100
6	25TCS126	Technical Communication Skills	HSS	Humanities	-	2	-	-	2	1	2	50	50	100
7	25KAN127	Kannada	HSS	Humanities	1	-	-	-	1	1	2	50	50	100
8	25IDT128	Innovation & Design Thinking	PBL	Mechanical Engg.	-	-	-	2	2	1	2	50	50	100
9	25SFH129	Scientific Foundation of Health & Yoga	UHV	Humanities	1	-	-	-	1	NCMC	2	50	50	100
Total					11	8	10	2	31	20	23	450	450	900

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