

# *BNM Institute of Technology*

**An Autonomous Institution under VTU  
Department of Information Science and Engineering**

**Scheme of Teaching 2023-2027 Batch**

## III Semester

Sl No	Course Type	Course Code	Course Title	Teaching Department	Teaching Hour/week				Contact Hour	Total Credits	Examination		
					L	T	P	J			CIE	SEE	Total
1	MAT	23MAI131	Fourier Transform, Fundamentals of logic and Linear Algebra	Mathematics	2	2			4	3	50	50	100
2	PCC	23ISE132	Computer Organization	ISE	3				3	3	50	50	100
3	PCC	23ISE133	Operating Systems	ISE	3				3	3	50	50	100
4	PCI	23ISE134	Data Structures and Applications	ISE	3		2		5	4	50	50	100
5	PCI	23ISE135	Object Oriented Programming using Java	ISE	3		2		5	4	50	50	100
6	PBL	23ISE136	Web Technology	ISE			2	2	4	2	50	50	100
7	IPL	23ISE137	Innovative Project Lab (Social Concern)	ISE		2			2	1	100		100
8	AEC	23SFT138	Soft Skill I	ISE			2		2	1	100		100
					14	4	8	2	28	21	500	300	800

Note: **BSC**: Basic Science Course, **PCC**: Professional Core Course, **HUM**: Humanity and Social Science & Management Courses, **PCI**: Professional Core Integrated **PBL** – Project Based Learning **AEC** – Ability Enhancement Courses, **UHV** – Universal Human Values, **PE**: Professional Elective, **OE**: Open Elective, **INT**: Summer Internship.

L –Lecture, T – Tutorial, P- Practical/ Drawing, J – Project Component, CIE: Continuous Internal Evaluation, SEE: Semester End Examination

Credit definition: 1 hour Lecture (L) per week = 1 Credit

2 hours Tutorial (T) per week = 1 Credit

2 hours Practical /Drawing (P) per week = 1 Credit

2 hours Project Component (J) per week = 1 Credit

(a) Four credit courses are to be designed for 50 hours Teaching – Learning process.

(b) Three credit courses are to be designed for 40 hours Teaching – Learning process.

(c) Two credit courses are to be designed for 25 hours Teaching – Learning process.

(d) One credit course are to be designed for 12-15 hours Teaching – Learning process

The course prescribed to lateral entry Diploma holders admitted to III semester of Engineering programs

  
 Additional Director & Principal  
**BNM Institute of Technology**  
 Bangalore-560 070

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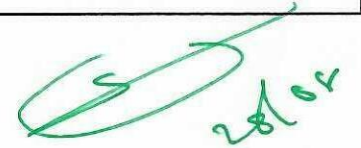
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IV Semester

Sl No	Course Type	Course Code	Course Title	Teaching Department	Teaching				Contact Hour	Total Credits	Examination		
					L	T	P	J			CIE	SEE	Total
1	MAT	23MAI141	Statistics, Probability and Graph Theory	Mathematics	2	1	1		4	3	50	50	100
2	PCC	23ISE142	Micro Controller and Embedded System	ISE	3	1	1		5	4	50	50	100
3	PCI	23ISE143	DataBase Management System	ISE	3		1	1	5	4	50	50	100
4	PCI	23ISE144	Design and Analysis of Algorithms	ISE	3		2		5	4	50	50	100
5	PBL	23ISE145	Robotic Process Automation	ISE			2	2	4	2	50	50	100
6	UHV	23CIP146	Constitution of India and Professional Ethics	HSS		2			2	1	100		100
7	INT	23ISE147	Summer Internship - I/ Innovative Project Lab	ISE			2	2	2	2	100		100
8	AEC	23SFT148	SoftSkill II	ISE		2			3	1	100		100
					11	6	9	5	30	21	550	250	800

**Summer Internship - I (23ISE147):** All the students admitted shall have to undergo a mandatory summer internship of 04 weeks during the intervening vacation of II and III semesters. Summer Internship shall include Inter / Intra Institutional activities, VTU approved skill enhancement courses. A Viva-voce examination shall be conducted during IV semesters and the prescribed credit shall be included in IV semesters. The internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take up / complete the internship shall be declared fail and shall have to complete during subsequent examination after satisfying the internship requirements. (The faculty coordinator or mentor has to monitor the students' internship progress and interact to guide them for the successful completion of the internship.)



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