B. N. M. Institute of Technology An Autonomous Institute Under VTU

Department of Computer Science and Engineering **III Semester**

Scheme of Teaching 2025 - 29 Batch

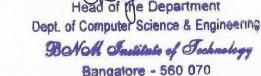
						Teaching I	Hours/Week				Es	xaminati	ion
SI. No.	Course	Course Code	Course Title	Teaching Department	Lecture	Tutorial	Practical	Project	Hours Per Week	Credits			
	Type			Department	L	Т	P	J			CIA	SEA	Total
1	BSC	25MAC131	Fourier Transforms, Fundamentals of Logic and Linear Algebra	Mathematics	2	2	-	-	4	3	50	50	100
2	PCC	25CSE132	Logic Design and Computer Organization	CSE	2	2	-	-	4	3	50	50	100
3	PCC	25CSE133	Operating System	CSE	2	-	2	-	4	3	50	50	100
4	PCI-P	25CSE134	Data Structures and Applications Using C	CSE	3	-	2	-	5	4	50	50	100
5	PCI-P	25CSE135	Data Analysis	CSE	2		2	-	4	3	50	50	100
6	PCI-P	25CSE136	Object Oriented Programming using Java	CSE	2	-	2	=:	4	3	50	50	100
7	PBL		Innovative Project Learning (Social Concern)	CSE	-	2	-	2	2	1	100		100
8	AEC		Soft Skills – I	HSS		-	2	-	2	1	100	-	100
			Total	1000	13	4	10	2	29	21	500	300	800

CIE: Continuous Internal Evaluation, SEE: Semester End Examination, NCMC: Non Credit Mandatory Course AICTE Activity Points to be earned by students admitted to BE day college programme (For more details refe 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 ning the required activity Points. Students shall be admitted for the award of the degree only after the release of the Eighth semester Grade Card.

	PW → Project Work		PEC → Professional Elective	INT → Internship
bise y busine seremen	OEC → Open Elective	HUM → Humanities and Social Science	PCC → Professional Core Course	PCI → Professional Core Course Integrated
AEC → Ability Enhancement	UHV → Universal Human Values			710

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Course





B. N. M. Institute of Technology An Autonomous Institute Under VTU

Department of Computer Science and Engineering **IV Semester**

Scheme of Teaching 2025 - 29 Batch

			Manager and Manage	_									
	6					Teaching I	Hours/Week					4	
Sl. No.	Course Type	Course Code	Course Title	Teaching Department	Lecture	Tutorial	Practical	Project	Hours Per Week	Credits	E	xaminat	ion
					L	Т	P	J	, recu		CIA	SEA	Total
1	BSC	25MAC141	Statistics, Probability and Graph Theory	Mathematics	2	2	-		4	3	50	50	100
2	PCI-C	25CSE142	Microcontroller and Internet of Things	CSE	2	-	2	-	4	3	50	50	100
3	PCI-C	25CSE143	Database Management System	CSE	3		2	_	5	4	50	50	100
4	PCI-P	25CSE144	Design and Analysis of Algorithms	CSE	3	=	2	-	5	4	50	50	100
5	PCI-P	25CSE145	Introduction to Machine Learning	CSE	3	-	2	-	5	4	50	50	100
6	PBL	25CSE146	Internship – I and IPL	CSE	-	-	2	2	4	2	100	-	100
7	HSS	25CIP147	CIPE	HSS	-	2	-	-	2	1	100	_	100
8	AEC	25SFT148	Soft Skills – II	HSS	-	2	-	_	2	1	100	_	100
			Total		13	6	10	2	31	22	550	250	800

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B. N. M. Institute of Technology

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Department of Computer Science and Engineering V Semester

Scheme of Teaching 2025 – 29 Batch

						Teaching I	Hours/Week						
SI. No.	Course Type	Course Code	Course Title	Teaching Department	Lecture	Tutorial	Practical	Project	Hours Per Week	Credits	E:	xaminati	ion
					L	T	P	J	2 (N) 7.3398		CIA	SEA	Total
1	PCC	25CSE151	Software Project Management and Finance	CSE	2	2	-	-	4	3	50	50	100
2	PCC	25CSE152	Automata Theory and Computation	CSE	2	2	E .	-	4	3	50	50	100
3	PCC	25CSE153	Computer Networks	CSE	3	A	2	()	5	4	50	50	100
4	PCI-P	25CSE154	Natural Language Processing	CSE	3	5 7 8	2	2#6	5	4	50	50	100
5	PCI-C	25CSE155	Cloud Computing and Applications	CSE	2	-	2	-	4	3	50	50	100
6	OEC	25CSE156X	Open Elective - I	CSE	2	-	2		4	3	50	50	100
7	AEC	25CSE157	Employability Skills – I [Technical]	T&P	-	2	-	-	2	1	100	_	100
8	INT	25CSE158	Internship - II	CSE	-	-	2	2	4	2	100	-	100
			Total		14	6	10	2	32	23	500	300	800

		Open Elective - I		
25CSE1561	Operating System	25CSE1562	Object Oriented Programming Using Java	
25CSE1563	Efficient Algorithms and Data Structures using Java	25CSE1564	Database Management System.	

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Department of Computer Science and Engineering VI Semester

Scheme of Teaching 2025 - 29 Batch

		-				Teaching I	Hours/Week						
SI. No.	Course Type	Course Code	Course Title	Teaching Department	Lecture	Tutorial	Practical	Project	Hours Per Week	Credits	E	xaminati	on
	35.40				L	T	P	J			CIA	SEA	Total
1	PCC	25CSE161	System Software and Compiler Design	CSE	2	2	-		4	3	50	50	100
2	PCI-P	25CSE162	Cryptography and Cyber Security	CSE	3	-	2	-	5	4	50	50	100
3	PCI-C	25CSE163	Gen AI & Prompt Engineering	CSE	2		. 2		4	3	50	50	100
4	PBL	25CSE164	Data Science	CSE	1	-	-	2	3	2	50	50	100
5	PEC	25CSE165X	Professional Elective - I	CSE	2	2		-	4	3	50	50	100
6	PEC	25CSE166X	Professional Elective - II	CSE	2	-	2	-	4	3	50	50	100
7	PCC	25CSE167X	Open Elective - II	CSE	3		-	-	3	3	50	50	100
8	AEC	25CSE168	Employability Skills – I [Technical]	T&P	-		2	-	2	1	100	-	100
			Total		15	4	8	2	29	22	450	350	800

(Open Elective - II	
25CSE1671	Storage Area Networks	25CSE1672	Computer Graphics & Visualization
25CSE1673	Modern Web Development and UI/UX Design	25CSE1674	Machine Learning
25CSE1675	Technology and Transformation		
		Professional Elective – I	
25CSE1651	Introduction to AI	25CSE1652	Information and Network Security
25CSE1653	Data Warehousing and Data Mining [Data Lake House]	25CSE1654	No Sql Database
25CSE1655	Cryptography and Hash Integrity Protection	25CSE1656	Advanced Computer Architecture
		Professional Elective – II	
25CSE1661	Digital Image Processing	25CSE1662	Reverse Engineering & Malware Analysis
25CSE1663	DevOps	25CSE1664	Augmented Reality & Virtual Reality
25CSE1665	Cyber Security & Digital Forensics	25CSE1666	High Performance & Computer Architecture

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B. N. M. Institute of Technology An Autonomous Institute Under VTU

Department of Computer Science and Engineering VII Semester

Scheme of Teaching 2025 - 29 Batch

C1 . NT	Course					Teaching I	Hours/Week						
Sl. No.	Type	Course Code	Course Title	Teaching Department	Lecture	Tutorial	Practical	Project	Hours Per Week	Credits	E	xaminati	ion
					L	Т	P	J	Week		CIA	SEA	Total
1	PCI-P	25CSE171	Robotic Process Automation	CSE	2	=	2	-	4	3	50	50	100
2	PEC	25CSE172X	Professional Elective III	CSE	2	-	2		4	3	50	50	
3	PEC	25CSE173X	Professional Elective IV	CSE	3	<u> </u>	-		3		Misself	22000	100
4	AEC	25CSE174	Research Methodology and Intellectual Property	CSE	2					3	50	50	100
-	DIV		Rights	CSE	Z	1		-	3	2	50	50	100
5	PW	25CSE175	Project Work Phase - I	CSE	-	-	-	8	8	4	100	-	100
-			Total		9	1	4	8	22	15	300	200	500

25CSE1721 Deep Learning	Professional Elective – III	
	25CSE1722	Storage Area Networks
25CSE1723 Agentic AI	25CSE1724	Advanced in Web Technologies
25CSE1725 Block Chain Technology	25CSE1726	Quantum Computing
25CSE1731 Algorithmic Game Theory	Professional Elective – IV	1 0
S Sumo Theory	25CSE1732	Foundation of Cloud IoT Edge ML
25CSE1733 Process Mining	25CSE1734	User Interface Design
25CSE1735 Ethical Hacking	25CSE1736	Understanding Incubation and Entrepreneurship

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B. N. M. Institute of Technology

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Department of Computer Science and Engineering VIII Semester

Scheme of Teaching 2025 - 29 Batch

CI N	Course Type	Course Code		Teaching Department	Teaching Hours/Week								
l. No.					Lecture Tutor	Tutorial	Tutorial Practical	Project J	Hours Per Week	Credits	Examination		
-					L	T P	P				CIA	SEA	Total
1	PEC	25CSE181X	Professional Elective V	CSE	3	-	-	-	3	3	50	50	100
2	INT	25CSE182	Internship	CSE	-		8		8	1	50	50	
3	PW	25CSE183	Project Work Phase - II	CSE	-		_	20	20	10			100
			Total		2		8	20	31	10	50	50 150	100

2500001011	Professional Elective – V	
25CSE1811 Learning Deep Architectures for AI 25CSE1813 Business Intelligence & Analysis	25CSE1812	Edge Computing
25CSE1815 Privacy and Security in Online Social Media	25CSE1814	Mobile App Development (Flutter/Kotlin)
CIE: Continuous Internal Evaluation, SEE: Semester End Examination, NCMC: N	25CGE1016	

End Examination, NCMC: Non Credit Mandatory Course AICTE Activity Points to be earned by students admitted to BE day college programme (For more details refe 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 Universitie 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

BSC → Basic Science		after the release of the Eighth semester Grade Card.				
Doc 7 Basic Science	PW → Project Work	$MAT \rightarrow Mathematics$	PEC → Professional Elective	INT → Internship		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HUM → Humanities and Social		The 1		
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