

Department of Information Science and Engineering 1st Semester
Applicable to students admitted in AY24-25 to 1st sem and through lateral entry in AY 2025-26 to 3rd sem (4th NEP Batch)

Sl. No.	Category	Course Code	Course Title	Teaching-Learning Scheme				Examination Duration (Hrs/Sem.)		Total Hours	Examination Scheme and Evaluation			Credits (C)=Total Hours/30
				L Hrs/Week (Hrs/Sem.)	T Hrs/Week (Hrs/Sem.)	P Hrs/Week (Hrs/Sem.)	TW + SL (Hrs/Sem.)				CIE Marks	SEE Marks	Total Marks	
								CIE	SEE					
1	BSC(IC)	BMAS101C	Mathematics-I for CSE Stream	42	0	26	44	05	03	120	50	50	100	4
2	BSC(IC)	BPHS202C	Applied Physics for CSE stream	42	0	26	44	05	03	120	50	50	100	4
3	ESC	BCSAS103C	Principles of Programming Using C	28	0	26	28	05	03	120	50	50	100	3
4	ESC-I	BECA104N	Engineering Science Course-I (Introduction to Electronics and Communication)	42	0	0	42	03	03	90	50	50	100	3
5	ETC-I	BISA105B	Emerging Technology Course-I (Introduction to Internet of Things)	14	0	0	13	03	03	90	50	50	100	3
6	AEC	BHSA106C	Communicative English	1	0	0	14+14	01	01	30	50	50	100	1
7	HSMC	BHSA107C	Indian Constitution	1	0	0	14+14	01	01	30	50	50	100	1
8	AEC	BHSA108C	Scientific Foundations of Health	1	0	0	14+14	01	01	30	50	50	100	1
Total				18	0	6	560	24	18	630	400	400	800	20

Department of Information Science and Engineering 2nd Semester
Applicable to students admitted in AY24-25 to 2nd sem and through lateral entry in AY 2025-26 to 3rd sem (4th NEP Batch)

Sl. No.	Category	Course Code	Course Title	Teaching-Learning Scheme				Examination Duration (Hrs/Sem.)		Total Hours	Examination Scheme and Evaluation			Credits (C)= Total Hours/30
				L Hrs/Week (Hrs/Sem.)	T Hrs/Week (Hrs/Sem.)	P Hrs/Week (Hrs/Sem.)	TW + SL (Hrs/Sem.)				CIE Marks	SEE Marks	Total Marks	
								CIE	SEE					
1	BSC(IC)	BMAS201C	Mathematics-II for CSE Stream	42	0	26	44	05	03	120	50	50	100	4
2	BSC(IC)	BCHS202C	Applied Chemistry for CSE Stream	42	0	26	44	05	03	120	50	50	100	4
3	ESC	BMEB203C	Computer-Aided Engineering Drawing	28	0	26	28	05	03	62	50	50	100	3
4	ESC-II	BEEA204N	Engineering Science Course-II (Introduction Electrical Engineering)	42	0	0	42	03	03	48	50	50	100	3
5	PLC-II	BCSB205D	Programming Language Course-II (Introduction to Python Programming)	42	0	0	42	05	03	90	50	50	100	3
6	HSSM	BHSB206C	Professional Writing Skills in English	14	0	0	13	01	01	30	50	50	100	1
7	HSSM	BHSB107C BHSC107C	Samskrutika Kannada Balake Kannada	14	0	0	13	01	01	30	50	50	100	1
8	AEC	BHSB108C	Innovation and Design Thinking	0	0	0	26	01	01	30	50	50	100	1
Total				224	0	78	252	26	18	530	400	400	800	20

Department of Information Science and Engineering 3rd Semester
Applicable to students admitted in AY24-25 to 2nd sem and through lateral entry in AY 2025-26 to 3rd sem (4th NEP Batch)

Sl. No.	Category	Course Code	Course Title	Teaching-Learning Scheme				Examination Duration (Hrs/Sem.)		Total Hours	Examination Scheme and Evaluation			Credits (C)=Total Hours /30
				L Hrs/Week (Hrs/Sem.)	T Hrs/Week (Hrs/Sem.)	P Hrs/Week (Hrs/Sem.)	TW + SL (Hrs/Sem.)				CIE Marks	SEE Marks	Total Marks	
								CIE	SEE					
1	BSC	BMAS301C	Mathematics for Computer Science Stream	42	0	0	42	03	03	90	50	50	100	3
2	PCC	BISA302C	Digital Design and Computer Organization	42	26	0	58	03	03	120	50	50	100	4
3	IPCC	BISA303C	Operating Systems (Integrated)	42	0	26	44	05	03	120	50	50	100	4
4	PCC	BISA304C	Data Structures and Applications	42	0	0	42	03	03	90	50	50	100	3
5	PCCL	BISA381L	Data Structures and Applications Lab using C	0	0	42	--	03	03	48	50	50	100	1.5
6	PCC	BISA305C	Object Oriented Programming with Java	42	0	0	42	03	03	90	50	50	100	3
7	PCCL	BISA382L	OOP with Java Lab	0	0	26	--	03	03	48	50	50	100	1.5
8	MC	BHSC360M	National Service Scheme	0	0	0	2	02	100	0	100	0	100	0
		BHSB360M	Physical Education(Sports and Athletics)											
		BHSA360M	Yoga											
9		AAP	AICTE Activity Points											
Total				15	2	10	562	123	21	606	450	350	800	20

Department of Information Science and Engineering 4th Semester
Applicable to students admitted in AY24-25 to 2nd sem and through lateral entry in AY 2025-26 to 3rd sem (4th NEP Batch)

Sl. No.	Category	Course Code	Course Title	Teaching-Learning Scheme				Examination Duration (Hrs/Sem.)		Total Hours	Examination Scheme and Evaluation			Credits ©=Total Hours/30
				L Hrs/Week (Hrs/Sem.)	T Hrs/Week (Hrs/Sem.)	P Hrs/Week (Hrs/Sem.)	TW + SL (Hrs/Sem.)				CIE Marks	SEE Marks	Total Marks	
								CIE	SEE					
1	IPCC	BISA401C	Web Programming(Integrated)	28	0	26	28	5	3	90	50	50	100	3
2	IPCC	BISA402C	Design & Analysis of Algorithms using Java (Integrated)	28	28	26	30	5	3	120	50	50	100	4
3	PCC	BISA403C	Introduction to AI	42	0	0	42	3	3	90	50	50	100	3
4	PCC	BISA404C	Discrete Mathematical Structure	42	0	0	42	3	3	90	50	50	100	3
5	PCC	BISA406C	Theory of Computations	42	0	0	42	3	3	90	50	50	100	3
6	BSC	BBT405C	Biology for Computer Engineers	42	0	0	42	3	3	90	50	50	100	3
7	HSMC	BHSA424C	Universal human values course	14	0	0	13	2	1	30	50	50	100	1
8	MC	BHSC460M	National Service Scheme	0	0	2	0	0	0	0	0	0	0	0
		BHSB460M	Physical Education (Sports and Athletics)											
		BHSA460M	Yoga											
9		AAP	AICTE Activity Points											
Total				238	28	54	239	24	19	600	350	350	700	20

Department of Information Science and Engineering 5th Semester
Applicable to students admitted in AY24-25 to 2nd sem and through lateral entry in AY 2025-26 to 3rd sem (4th NEP Batch)

Sl. No.	Category	Course Code	Course Title	Teaching-Learning Scheme				Examination Duration (Hrs/Sem.)		Total Hours	Examination Scheme and Evaluation			Credits (C)=Total Hours /30
				L Hrs/Week (Hrs/Sem.)	T Hrs/Week (Hrs/Sem.)	P Hrs/Week (Hrs/Sem.)	TW + SL (Hrs/Sem.)				CIE Marks	SEE Marks	Total Marks	
								CIE	SEE					
1	PCC	BISA501C	Object Oriented Modeling and Design	42	0	0	42	03	03	90	50	50	100	3
2	PCC	BISA502C	Database Management Systems	42	0	0	42	03	03	90	50	50	100	3
3	PEC	BISAXXE	Professional Elective Course– I	42	0	0	42	03	03	90	50	50	100	3
4	OEC	BISAXXN	Open Elective Course- I	42	0	0	42	03	03	90	50	50	100	3
5	HSMC	BBT523C	Environmental Studies	14	0	0	13	03	03	30	50	50	100	1
6	AEC	BHSA522C	Soft Skill	28	0	0	26	03	03	60	50	50	100	2
7	PCCL	BISA5XXL	OOMD Lab	0	0	39	--	03	03	48	50	50	100	1.5
8	PCCL	BISA5XXL	DBMS Lab	0	0	39	--	03	03	48	50	50	100	1.5
9	PROJ.	BISA5XXP	Mini Project	0	0	52	2	03	03	60	50	50	100	2
10	MC	BHSC560M	National Service Scheme	0	0	2	0	0	0	0	0	0	0	0
		BHSB560M	Physical Education (Sports and Athletics)											
			Yoga											
11		AAP	AICTE Activity Points											
Total				210	0	132	2	27	27	606	450	450	900	20

Department of Information Science and Engineering 6th Semester
Applicable to students admitted in AY24-25 to 2nd sem and through lateral entry in AY 2025-26 to 3rd sem (4th NEP Batch)

Sl. No.	Category	Course Code	Course Title	Teaching-Learning Scheme				Examination Duration (Hrs/Sem.)		Total Hour	Examination Scheme and Evaluation			Credits (C)=Total Hours/30
				L Hrs/Week (Hrs/Sem.)	T Hrs/Week (Hrs/Sem.)	P Hrs/Week (Hrs/Sem.)	TW + SL (Hrs/Sem.)				CIE Marks	SEE Mark	Total Marks	
								CIE	SEE					
1	IPCC	BISA6XXC	Compiler Design	42	0	0	42	03	03	90	50	50	100	3
2	IPCC	BISA6XXC	Computer Networks	42	0	0	42	03	03	90	50	50	100	3
3	PCC	BISA6XXC	Machine Learning	42	0	0	42	03	03	90	50	50	100	3
4	PCCL	BISA6XXL	Machine Learning Laboratory	0	0	13	28	02	02	32	50	50	100	1
5	PCC	BISA6XXC	Information and Network Security(d	42	0	0	42	03	03	90	50	50	100	3
6	AEC	BUHSXXC	Indian Knowledge Systems(k	14	0	0	13	02	01	30	50	50	100	1
7	PEC	BISA6XXE	Professional Elective Course-II	42	0	0	42	03	03	90	50	50	100	3
8	OEC	BISA6XXN	Open Elective Course- II	42	0	0	42	03	03	90	50	50	100	3
9	PROJ.	--	Pre-Project Work	0	0	0	0	0	0	0	0	0	0	0
10	MC	BHSC660M	National Service Scheme	0	0	2	0	0	0	0	0	0	0	0
		BHSB660M	Physical Education (Sports and Athletics)											
		BHSA660M	Yoga											
11		AAP	AICTE Activity Points											
Total				266	0	15	293	22	21	602	400	400	800	20

Department of Information Science and Engineering 7th Semester
Applicable to students admitted in AY24-25 to 2nd sem and through lateral entry in AY 2025-26 to 3rd sem (4th NEP Batch)

Sl. No.	Category	Course Code	Course Title	Teaching-Learning Scheme				Examination Duration (Hrs/Sem.)		Total Hour	Examination Scheme and Evaluation			Credits (C)=Total Hours/30
				L Hrs/Week (Hrs/Sem.)	T Hrs/Week (Hrs/Sem.)	P Hrs/Week (Hrs/Sem.)	TW + SL (Hrs/Sem.)				CIE Marks	SEE Mark	Total Marks	
								CIE	SEE					
1	HSMC	BISA7XXC	Research Methodology and IPR	42	0	0	42	03	03	90	50	50	100	3
2	IPCC	BISA7XXC	Big Data Analytics(Integrated)	28	0	26	28	05	03	90	50	50	100	3
3	IPCC	BISA7XXC	Cloud Computing	28	0	26	28	05	03	90	50	50	100	3
4	PEC	BISA7XXE	Professional Elective Course– III	42	0	0	42	03	03	90	50	50	100	3
5	PEC	BISA7XXE	Professional Elective Course-IV	42	0	0	42	03	03	90	50	50	100	3
6	PROJ.	BISA7XXP	Project	0	0	0	--	03	03	270	50	50	100	9
Total				182	0	52	234	22	18	720	300	300	600	24

Department of Information Science and Engineering 8th Semester
Applicable to students admitted in AY24-25 to 2nd sem and through lateral entry in AY 2025-26 to 3rd sem (4th NEP Batch)

Sl. No.	Category	Course Code	Course Title	Teaching-Learning Scheme				Examination Duration (Hrs/Sem.)		Total Hours	Examination Scheme and Evaluation			Credits (C)=Total Hours/30
				L Hrs/Week (Hrs/Sem.)	T Hrs/Week (Hrs/Sem.)	P Hrs/Week (Hrs/Sem.)	TW + SL (Hrs/Sem.)				CIE Marks	SEE Marks	Total Marks	
								CIE	SEE					
1	AEC	BISA8XXX	MOOCS	42	0	0	42	03	03	90	50	50	100	3
2	OEC	BISA8XXX	MOOCS	42	0	0	42	03	03	90	50	50	100	3
3	INT.	BISA8XXX	Internship	0	0	360	--	03	03	360	50	50	100	10
Total				84	0	360	84	09	09	540	150	150	300	16