Department of Information Science and Engineering
3rd Semester
Applicable to students admitted in AY 24-25 to 1st Sem and through lateral entry in AY 24-25 to 3rd Sem (4th NEP Batch)

Sl. No.	Category	Subject Code	Subject Title	Credits	Theory Lecture L	Tutorial T	Practical/Drawing P	Duration in hours	CIE Marks	SEE Marks	Total Marks
1	BSC	BMA3XXC	Mathematics for Computer Science	3	3	0	0	3	50	50	100
2	PCC	BISA302C	Digital Design and Computer Organization	4	4	0	0	4	50	50	100
3	IPCC	BISA303C	Operating Systems (Integrated)	4	3	0	2	5	50	50	100
4	PCC	BISA304C	Data Structures and Applications	3	3	0	0	3	50	50	100
5	PCCL	BISA381L	Data Structures Laboratory	1.5	0	0	3	3	50	50	100
6	PCC	BISA305C	Object Oriented Programming with Java	3	3	0	0	3	50	50	100
7	PCCL	BISA382L	Java Laboratory	1.5	0	0	3	3	50	50	100
8	MC	BHSA360M	Yoga	0	0	0	2	2	100	0	100
		BHSB360M	National Service Scheme								
		BHSC360M	Physical Education(Sports and Athletics)								
9		AAP	AICTE Activity Points	-	-	-	-	-	-	-	-
			Total	**20**	**16**	**0**	**10**	**26**	**450**	**350**	**800**

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Department of Information Science and Engineering
4th Semester
Applicable to students admitted in AY 24-25 to 1st Semester and through lateral entry in AY 24-25 to 3rd Semester   (4thNEP Batch)

Sl. No.	Category	Subject Code	Subject Title	Credits	Theory Lecture L	Tutorial T	Practical/Drawing P	Duration in hours	CIE Marks	SEE Marks	Total Marks
1	PCC	BISA406C	Web Programming	3	3	0	0	3	50	50	100
2	IPCC	BISA402C	Analysis & Design of Algorithms(Integrated)	4	3	0	2	5	50	50	100
3	PCC	BISA404C	Advanced Java	3	3	0	0	3	50	50	100
4	PCC	BISA405C	Discrete Mathematical Structures	3	2	2	0	4	50	50	100
5	PCCL	BISA421L	Web Programming Lab	1.5	0	0	3	3	50	50	100
6	BSC	BTA408C	Biology for Computer Engineers	3	3	0	0	3	50	50	100
7	PCCL	BISA422L	Advanced Java Laboratory	1.5	0	0	3	3	50	50	100
8	HSMC	BHSA424C	Universal human values course	1	1	0	0	1	50	50	100
9	MC	BHSA460M	Yoga	0	0	0	2	2	0	0	0
		BHSB460M	National Service Scheme								
		BHSC460M	Physical Education(Sports and Athletics)								
10		AAP	AICTE Activity Points	-	-	-	-	-	-	-	-
			Total	20	15	2	10	27	350	350	700

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Department of Information Science and Engineering
5th Semester
Applicable to students admitted in AY 2023-24 to 1st Semester and through lateral entry in AY 24-25 to 3rd Sem (3nd NEP Batch)

Sl.No.	Category	Subject Code	Subject Title	Credits	Theory Lecture L	Tutorial T	Practical/Drawing P	Duration in hours	CIE Marks	SEE Marks	Total Marks
1	PCC	22UIS501C	Software Engineering	3	3	0	0	3	50	50	100
2	IPCC	22UIS502C	Computer Networks (Integrated)	3	2	0	2	4	50	50	100
3	IPCC	22UIS503C	Web Programming (Integrated)	3	2	0	2	4	50	50	100
4	PEC	22UISXXXE	Professional Elective Course – I	3	3	0	0	3	50	50	100
5	OEC	22UISXXXN	Open Elective Course - I	3	3	0	0	3	50	50	100
6	HSMC	22UBT523C	Environmental Studies	1	1	0	0	1	50	50	100
7	AEC	22UHS5XXC	Quantitative Aptitude and Professional Skills	2	2	0	0	2	50	50	100
8	PROJ.	22UIS531P	Mini Project	2	0	0	2	2	50	50	100
9	MC	22UHS001M	Yoga	0	0	0	2	2	0	0	0
		22UHS002M	National Service Scheme								
		22UHS003M	Physical Education(Sports and Athletics)								
10		AAP	AICTE Activity Points	-	-	-	-	-	-	-	-
			Total	**20**	**16**	**0**	**8**	**24**	**400**	**400**	**800**

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Department of Information Science and Engineering
6th Semester
Applicable to students admitted in AY 2023-24 to 1st semester and through lateral entry in AY 24-25 to 3rd semester (3nd NEP Batch)

Sl.No.	Cate gory	Subject Code	Subject Title	Credits	Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks
					L	T	P				
1	IPCC	22UIS601C	Full Stack Development (Integrated)	3	2	0	2	4	50	50	100
2	IPCC	22UIS602C	Object Oriented Modeling and Design (Integrated)	3	2	0	2	4	50	50	100
3	PCC	22UIS603C	Machine Learning	3	3	0	0	3	50	50	100
4	PCCL	22UIS681L	Machine Learning Laboratory	1	0	0	2	2	50	50	100
5	PCC	22UIS604C	Theory of Computations	3	2	2	0	4	50	50	100
6	AEC	22UHS600C	Indian Knowledge Systems	1	1	0	0	1	50	50	100
7	PEC	22UIS6XXE	Professional Elective Course - II	3	3	0	0	3	50	50	100
8	OEC	22UIS6XXN	Open Elective Course - II	3	3	0	0	3	50	50	100
9	PROJ	--	Pre-Project Work	0	0	0	0	0	0	0	0
10	MC	22UHS001M	Yoga	0	0	0	2	2	0	0	0
		22UHS002M	National Service Scheme								
		22UHS003M	Physical Education(Sports and Athletics)								
11		AAP	AICTE Activity Points	-	-	-	-	-	-	-	-
			Total	**20**	**16**	**2**	**8**	**26**	**400**	**400**	**800**

Note:Pre-Project Work – 1) Batch Formulation, 2) Project Allocation and Guide Allotment, 3) Problem Identification and Formulation, and 4) Literature Survey – Minimum 10 papers

are to be surveyed.

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Department of Information Science and Engineering
7th Semester
Applicable to students admitted in AY 2022-23 to 1st Semester and through lateral entry in AY 23-24 to 3rd Semester (2nd NEP Batch)

Sl. No.	Course			Credits	Teaching Hours/Week			Duration in hours	Examination		
	Category	Subject Code	Subject Title		Theory Lecture	Tutorial	Practical/Drawing		CIE Marks	SEE Marks	Total Marks
					L	T	P				
1	HSSM	22UHS711C/ 22UHS811C	Research Methodology and IPR	3	3	0	0	3	50	50	100
2	IPCC	22UIS701C/ 22UIS801C	Big Data Analytics (Integrated)	3	2	0	2	4	50	50	100
3	PEC	22UISXXXE	Professional Elective Course– III (Integrated)	3	2	0	2	4	50	50	100
4	PEC	22UISXXXE	Professional Elective Course - IV	3	3	0	0	3	50	50	100
5	PROJ	22UIS717P/ 22UIS817P	Project Work	12	0	0	12	12	50	50	100
			Total	24	10	0	16	26	250	250	500

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Department of Information Science and Engineering
8th Semester
Applicable to students admitted in AY 22-23 to 1st sem and through lateral entry in AY 23-24 to 3rd sem (2nd NEP Batch)

Sl. No.	Course			Credits	Teaching Hours/Week			Duration in hours	Examination		
	Category	Subject Code	Subject Title		Theory Lecture	Tutorial	Practical/Drawing		CIE Marks	SEE Marks	Total Marks
					L	T	P				
1	AEC	22UISXXXO	MOOCS	3	3	0	0	3	50	50	100
2	OEC	22UISXXXO	MOOCS	3	3	0	0	3	50	50	100
3	INT	22UIS808I/ 22UIS708I	Research/Industry Internship	10	0	0	10	10	50	50	100
			Total	**16**	**6**	**0**	**10**	**16**	**150**	**150**	**300**

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