UG Scheme-2023 (NEP-2020)

B. Tech.in Information Technology

Course Code	Name of Course	Course Category	Teaching Scheme				Credits	Evaluation Scheme					
								Theory			Practical		Total Marks
			L	T	P	Total Hours		TAE	CAE	ESE	INT	EXT	
SEMESTER-I													
23BTSHL101IT 23BTSHP101IT	Engineering Physics	BSC2	1	1	2	4	3	10	15	50	25	-	100
23BTSHL103IT	Matrices and Differential Calculus	BSC1	2	1	-	3	3	10	15	50	-	-	75
23BTSHL105IT	Linear Algebra and Statistics	BSC4	2	1	-	3	3	10	15	50	-	-	75
23BTSHL108IT 23BTSHP108IT	Communication Skills	AEC1	1	-	2	3	2	10	15		25	-	50
23BTSHL10XIT	Elective : Indian Knowledge System	IKS	2	-	-	2	2	10	15	50			75
23BTSHP112IT	Liberal Learning Courses-I	CC1	-	-	4	4	2	-	-	-	25	25	50
23BTITL102 23BTITP102	Programming for Problem Solving	ESC3	3	-	2	5	4	10	15	50	25	-	100
23BTITL10X 23BTITP10X	Elective -I : Vocational and Skill Enhancement	VSEC1	1	-	2	3	2	10	15		25	-	50
TOTAL			**12**	**3**	**12**	**27**	**21**	**70**	**105**	**250**	**125**	**25**	**575**

Course Code	Name of Course	Course Category	Teaching Scheme				Credits	Evaluation Scheme					
								Theory			Practical		Total Marks
			L	T	P	Total Hours		TAE	CAE	ESE	INT	EXT	
SEMESTER-II													
23BTSHL102IT 23BTSHP102IT	Environmental Chemistry	BSC5	1	-	2	3	2	10	15	50	25	-	100
23BTSHL104IT	Integral Calculus and Differential Equations	BSC3	2	1	-	3	3	10	15	50	-	-	75
23BTSHP113IT	Liberal Learning Courses-II	CC2	-	-	4	4	2	-	-	-	25	25	50
23BTEEL101IT 23BTEEP101IT	Basic Electrical Engineering	ESC2	3	-	2	5	4	10	15	50	25	-	100
23BTECL101IT 23BTECP101IT	Digital Logic Design	ESC1	3	-	2	5	4	10	15	50	25	-	100
23BTITL101 23BTITP101	Problem Identification & Design Thinking	PCC1	1	-	2	3	2	10	15	50	25	-	100
23BTITL10X 23BTITP10X	Elective –II: Vocational and Skill Enhancement	VSEC2	1	-	2	3	2	10	15		25	-	50
TOTAL			**11**	**1**	**14**	**26**	**19**	**60**	**90**	**250**	**150**	**25**	**575**

ELECTIVES

23BTSHL10XAI -Elective : Indian Knowledge System -

Course	Course Code (L)	Course Code(P)
Elective: IKS-1- Concepts and Applications inEngineering	23BTSHL109IT	Not Applicable
Elective: IKS-2- Social History of Medicine In Colonial India	23BTSHL110 IT I	Not Applicable
Elective: IKS-3- Modern Indian Architecture	23BTSHL111 IT	Not Applicable
Elective: IKS-4- Introduction to Ancient Indian Technology	23BTSHL117 IT	Not Applicable
Elective: IKS-5- Introduction To Modern Indian Drama	23BTSHL118 IT	Not Applicable
Elective: IKS-6- Introduction To Indian Art - An Appreciation	23BTSHL119 IT	Not Applicable
Elective: IKS-7- Folk And Minor Art In India	23BTSHL120 IT	Not Applicable

AI Board

Course	Course Code (L)	Course Code(P)
Elective -I : Vocational and Skill Enhancement -Data Visualization	23BTAIL102 IT	23BTAIP102 IT
Elective -I : Vocational and Skill Enhancement	23BTAIL103 IT	23BTAIP103 IT
Elective -I : Vocational and Skill Enhancement-	23BTAIL104 IT	23BTAIP104 IT
Elective –II: Vocational and Skill Enhancement-Artificial Intelligence with Python	23BTAIL105 IT	23BTAIP105 IT
Elective –II: Vocational and Skill Enhancement	23BTAIL106 IT	23BTAIP106 IT
Elective –II: Vocational and Skill Enhancement	23BTAIL107 IT	23BTAIP107 IT

CSE Board

Course	Course Code (L)	Course Code(P)
Elective -I : Vocational and Skill Enhancement -Computer Programming	23BTCSL102 IT	23BTCSP102 IT
Elective -I : Vocational and Skill Enhancement -	23BTCSL103 IT	23BTCSP103 IT
Elective -I : Vocational and Skill Enhancement -	23BTCSL104 IT	23BTCSP104 IT
Elective –II: Vocational and Skill Enhancement- Foundation of Data Analytics	23BTCSL105 IT	23BTCSP105 IT
Elective –II: Vocational and Skill Enhancement-	23BTCSL106 IT	23BTCSP106 IT
Elective –II: Vocational and Skill Enhancement-	23BTCSL107 IT	23BTCSP107 IT

IT Board

Course	Course Code (L)	Course Code(P)
Elective -I : Vocational and Skill Enhancement-Introduction to Linux	23BTITL103	23BTITP103
Elective -I : Vocational and Skill Enhancement-	23BTITL104I	23BTITP104
Elective -I : Vocational and Skill Enhancement-	23BTITL105I	23BTITP105
Elective –II: Vocational and Skill Enhancement	23BTITL106	23BTITP106
Elective –II: Vocational and Skill Enhancement	23BTITL107	23BTITP107
Elective –II: Vocational and Skill Enhancement	23BTITL108	23BTITP108

DS Board

Course	Course Code (L)	Course Code(P)
Elective -I : Vocational and Skill Enhancement-Data Science Tools	23BTDSL102 IT	23BTDSP102 IT
Elective -I : Vocational and Skill Enhancement-	23BTDSL103 IT	23BTDSP103 IT
Elective -I : Vocational and Skill Enhancement-	23BTDSL104 IT	23BTDSP104 IT
Elective -II : Vocational and Skill Enhancement-Programming in C	23BTDSL105 IT	23BTDSP105 IT
Elective -II : Vocational and Skill Enhancement-	23BTDSL106 IT	**23BTDSP106** IT
Elective -II : Vocational and Skill Enhancement-	23BTDSL107 IT	23BTDSP107 IT

CYB Board

Course	Course Code (L)	Course Code(P)
Elective -I :Vocational and Skill Enhancement -	23BTCYL102 IT	23BTCYP102 IT
Elective -I :Vocational and Skill Enhancement-	23BTCYL103 IT	23BTCYP103 IT
Elective -I :Vocational and Skill Enhancement-	23BTCYL104 IT	23BTCYP104 IT
Elective –II: Vocational and Skill Enhancement-Principle of Information Security	23BTCYL105 IT	23BTCYP105 IT
Elective –II: Vocational and Skill Enhancement	23BTCYL106 IT	23BTCYP106 IT
Elective –II: Vocational and Skill Enhancement-	23BTCYL107 IT	23BTCYP107 IT