UG Scheme-2023 (NEP-2020)
B. Tech. (Artificial Intelligence)

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													
23BTSHL101AI 23BTSHP101AI	Engineering Physics	BSC2	1	1	2	4	3	10	15	50	25	-	100
23BTSHL103AI	Matrices and Differential Calculus	BSC1	2	1	-	3	3	10	15	50	-	-	75
23BTSHL108AI 23BTSHP108AI	Communication Skills	AEC1	1	-	2	3	2	10	15		25	-	50
23BTSHL10XAI	Elective : Indian Knowledge System	IKS	2	-	-	2	2	10	15	50			75
23BTSHP112AI	Liberal Learning Courses-I	CC1	-	-	4	4	2	-	-	-	25	25	50
23BTAIL101 23BTAIP101	Introduction to Artificial Intelligence and Machine Learning.	PCC1	1	-	2	3	2	10	15	50	25	-	100
23BTAIL10X 23BTAIP10X	Elective -I : Vocational and Skill Enhancement	VSEC1	1	-	2	3	2	10	15		25	-	50
23BTITL102AI 23BTITP102AI	Programming for Problem Solving	ESC3	3	-	2	5	4	10	15	50	25	-	100
TOTAL			**11**	**2**	**14**	**27**	**20**	**70**	**105**	**250**	**150**	**25**	**600**

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													
23BTSHL102AI 23BTSHP102AI	Environmental Chemistry	BSC5	1	-	2	3	2	10	15	50	25	-	100
23BTSHL104AI	Integral Calculus and Differential Equations	BSC3	2	1	-	3	3	10	15	50	-	-	75
23BTSHL105AI	Linear Algebra and Statistics	BSC4	2	1	-	3	3	10	15	50	-	-	75
23BTSHP113AI	Liberal Learning Courses-II	CC2	-	-	4	4	2	-	-	-	25	25	50
23BTEEL101AI 23BTEEP101AI	Basic Electrical Engineering	ESC1	3	-	2	5	4	10	15	50	25	-	100
23BTECL101AI 23BTECP101AI	Digital Logic Design	ESC2	3	-	2	5	4	10	15	50	25	-	100
23BTAIL10X 23BTAIP10X	Elective –II: Vocational and Skill Enhancement	VSEC2	1	-	2	3	2	10	15		25	-	50
TOTAL			**12**	**2**	**12**	**26**	**20**	**60**	**90**	**250**	**125**	**25**	**550**

ELECTIVES

23BTSHL10XAI -Elective : Indian Knowledge System -

Course	Course Code (L)	Course Code(P)
Elective: IKS-1- Concepts and Applications inEngineering	23BTSHL109AI	Not Applicable
Elective: IKS-2- Social History of Medicine In Colonial India	23BTSHL110AI	Not Applicable
Elective: IKS-3- Modern Indian Architecture	23BTSHL111AI	Not Applicable
Elective: IKS-4- Introduction to Ancient Indian Technology	23BTSHL117AI	Not Applicable
Elective: IKS-5- Introduction To Modern Indian Drama	23BTSHL118AI	Not Applicable
Elective: IKS-6- Introduction To Indian Art - An Appreciation	23BTSHL119AI	Not Applicable
Elective: IKS-7- Folk And Minor Art In India	23BTSHL120AI	Not Applicable

AI Board

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

CSE Board

Course	Course Code (L)	Course Code(P)
Elective -I : Vocational and Skill Enhancement -Computer Programming	23BTCSL102AI	23BTCSP102AI
Elective -I : Vocational and Skill Enhancement -	23BTCSL103AI	23BTCSP103AI
Elective -I : Vocational and Skill Enhancement -	23BTCSL104AI	23BTCSP104AI
Elective –II: Vocational and Skill Enhancement- Foundation of Data Analytics	23BTCSL105AI	23BTCSP105AI
Elective –II: Vocational and Skill Enhancement-	23BTCSL106AI	23BTCSP106AI
Elective –II: Vocational and Skill Enhancement-	23BTCSL107AI	23BTCSP107AI

IT Board

Course	Course Code (L)	Course Code(P)
Elective -I : Vocational and Skill Enhancement-Introduction to Linux	23BTITL103AI	23BTITP103AI
Elective -I : Vocational and Skill Enhancement-	23BTITL104AI	23BTITP104AI
Elective -I : Vocational and Skill Enhancement-	23BTITL105AI	23BTITP105AI
Elective –II: Vocational and Skill Enhancement	23BTITL106AI	23BTITP106AI
Elective –II: Vocational and Skill Enhancement	23BTITL107AI	23BTITP107AI
Elective –II: Vocational and Skill Enhancement	23BTITL108AI	23BTITP108AI

DS Board

Course	Course Code (L)	Course Code(P)
Elective -I : Vocational and Skill Enhancement-Data Science Tools	23BTDSL102AI	23BTDSP102AI
Elective -I : Vocational and Skill Enhancement-	23BTDSL103AI	23BTDSP103AI
Elective -I : Vocational and Skill Enhancement-	23BTDSL104AI	23BTDSP104AI
Elective -II : Vocational and Skill Enhancement-Programming in C	23BTDSL105AI	23BTDSP105AI
Elective -II : Vocational and Skill Enhancement-	23BTDSL106AI	23BTDSP106AI
Elective -II : Vocational and Skill Enhancement-	23BTDSL107AI	23BTDSP107AI

CYB Board

Course	Course Code (L)	Course Code(P)
Elective -I :Vocational and Skill Enhancement -	23BTCYL102AI	23BTCYP102AI
Elective -I :Vocational and Skill Enhancement-	23BTCYL103AI	23BTCYP103AI
Elective -I :Vocational and Skill Enhancement-	23BTCYL104AI	23BTCYP104AI
Elective –II: Vocational and Skill Enhancement-Principle of Information Security	23BTCYL105AI	23BTCYP105AI
Elective –II: Vocational and Skill Enhancement	23BTCYL106AI	23BTCYP106AI
Elective –II: Vocational and Skill Enhancement-	23BTCYL107AI	23BTCYP107AI