UG Scheme 2023 (NEP 2020)
B.Tech. In Electrical Engineering

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													
23BTSHL101EE 23BTSHP101EE	Engineering Physics	BSC2	1	1	2	4	3	10	15	50	25		100
23BTSHL103EE	Matrices and Differential Calculus	BSC1	2	1	-	3	3	10	15	50	-	-	75
23BTSHP112EE	Liberal Learning Courses-I	CC1			4	4	2				25	25	50
23BTSHL115EE 23BTSHP115EE	Biomedical Engineering	BSC5	2		2	4	3	10	15	50	25	-	100
23BTECL109EE 23BTECP109EE	Basic Electronics	ESC2	3		2	5	4	10	15	50	25	-	100
23BTEEL101 23BTEEP101	Basic Electrical Engineering	ESC1	3	-	2	5	4	10	15	50	25	-	100
23BTEEL10X 23BTEEP10X	Elective -I : Vocational and Skill Enhancement	VSEC1	1		2	3	2	10	15		25		50
Total			**12**	**2**	**14**	**28**	**21**	**60**	**90**	**250**	**150**	**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													
23BTSHL102EE 23BTSHP102EE	Environmental Chemistry	BSC4	1	-	2	3	2	10	15	50	25	-	100
23BTSHL104EE	Integral Calculus and Differential Equations	BSC3	2	1	-	3	3	10	15	50	-		75
23BTSHL108EE 23BTSHP108EE	Communication Skills	AEC1	1		2	3	2	10	15		25		50
23BTSHL10XEE	Elective : Indian Knowledge System	IKS	2			2	2	10	15	50			75
23BTSHP113EE	Liberal Learning Courses-II	CC2			4	4	2				25	25	50
23BTITL102EE 23BTITP102EE	Programming for Problem Solving	ESC3	3	-	2	5	4	10	15	50	25	-	100
23BTEEL105	Advanced Electrical Technology	PCC1	2			2	2	10	15	50			75
23BTEEL10X 23BTEEP10X	Elective –II: Vocational and Skill Enhancement	VSEC2	1		2	3	2	10	15		25		50
Total			**12**	**1**	**12**	**25**	**19**	**70**	**105**	**250**	**125**	**25**	**575**

ELECTIVES

23BTSHL10XEE -Elective : Indian Knowledge System -

Course	Course Code (L)	Course Code(P)
Elective: IKS-1- Concepts and Applications inEngineering	23BTSHL109EE	Not Applicable
Elective: IKS-2- Social History of Medicine In Colonial India	23BTSHL110EE	Not Applicable
Elective: IKS-3- Modern Indian Architecture	23BTSHL111EE	Not Applicable
Elective: IKS-4- Introduction to Ancient Indian Technology	23BTSHL117EE	Not Applicable
Elective: IKS-5- Introduction To Modern Indian Drama	23BTSHL118EE	Not Applicable
Elective: IKS-6- Introduction To Indian Art - An Appreciation	23BTSHL119EE	Not Applicable
Elective: IKS-7- Folk And Minor Art In India	23BTSHL120EE	Not Applicable

Electrical Board

Course	Course Code (L)	Course Code(P)
Elective -I : Vocational and Skill Enhancement I-Solar Photovoltaic and Its Applications	23BTEEL102	23BTEEP102
Elective -I : Vocational and Skill Enhancement-I-Energy Conservation and Audit	23BTEEL103	23BTEEP103
Elective -I : Vocational and Skill Enhancement- I-	23BTEEL104	23BTEEP104
Elective -II : Vocational and Skill Enhancement-Foundation of Electric Vehicle and Renewable Energy	23BTEEL106	23BTEEP106
Elective -II : Vocational and Skill Enhancement-Simulation of Electric Circuit	23BTEEL107	23BTEEP107
Elective -II : Vocational and Skill Enhancement-	23BTEEL108	23BTEEP108