UG Scheme-2023 (NEP-2020)

B. Tech in Mechanical Engineering

Course Code	Name of Course	Course Category	Teaching Scheme				Credits	Evaluation Scheme					
								Theory			Practical		Total
			L	T	P	Total Hours		TAE	CAE	ESE	INT	EXT	Marks
SEMESTER-I													
23BTSHL102ME 23BTSHP102ME	Environmental Chemistry	BSC 5	1	-	2	3	2	10	15	50	25	-	100
23BTSHL103ME	Matrices and Differential Calculus	BSC 1	2	1	-	3	3	10	15	50	-	-	75
23BTSHL108ME 23BTSHP108ME	Communication Skills	AEC 1	1	-	2	3	2	10	15	-	25	-	50
23BTSHP112ME	Liberal Learning Course -I	CC 1	-	-	4	4	2	-	-		25	25	50
23BTMEL101 23BTMEP101	Engineering Graphics	ESC 2	2	-	4	6	4	10	15	50	25	-	100
23BTMEL10X 23BTMEP10X	Elective -I : Vocational and Skill Enhancement	VSEC 1	1	-	2	3	2	10	15	-	25	-	50
23BTCEL101ME 23BTCEP101ME	Engineering Mechanics	ESC 1	3	-	2	5	4	10	15	50	25	-	100
TOTAL			**10**	**1**	**16**	**27**	**19**	**60**	**90**	**200**	**150**	25	**525**

Course Code	Name of Course	Course Category	Teaching Scheme				Credits	Evaluation Scheme					
								Theory			Practical		Total
			L	T	P	Total Hours		TAE	CAE	ESE	INT	EXT	Marks
SEMESTER-II													
23BTSHL101ME 23BTSHP101ME	Engineering Physics	BSC 2	1	1	2	4	3	10	15	50	25	-	100
23BTSHL106ME	Differential Equations and Statistics	BSC 3	2	1	-	3	3	10	15	50	-	-	75
23BTSHL10XME	Elective : Indian Knowledge System	IKS	2	-	-	2	2	10	15	50		-	75
23BTSHP113ME	Liberal Learning Course 2	CC2	-	-	4	4	2	-	-	-	25	25	50
23BTSHL114ME 23BTSHP114ME	Manufacturing Science	BSC 4	2	-	2	4	3	10	15	50	25	-	100
23BTMEL105 23BTMEP105	Material Science and Workshop Practice	ESC 3	2	-	4	6	4	10	15	50	25	-	100
23BTMEL106 23BTMEP106	Sensors, Actuators & Measurement	PCC 1	1	-	2	3	2	10	15	50	25	-	100

23BTMEL10X 23BTMEP10X	Elective -II : Vocational and Skill Enhancement	VSEC 2	1	-	2	3	2	10	15	-	25	-	50
TOTAL			**11**	**2**	**16**	**29**	**21**	**70**	**105**	**300**	**150**	**25**	**650**

ELECTIVES

23BTSHL10XME -Elective : Indian Knowledge System -

Course	Course Code (L)	Course Code(P)
Elective: IKS-1- Concepts and Applications in Engineering	23BTSHL109ME	Not Applicable
Elective: IKS-2- Social History of Medicine In Colonial India	23BTSHL110ME	Not Applicable
Elective: IKS-3- Modern IndianArchitecture	23BTSHL111ME	Not Applicable
Elective: IKS-4- Introduction to Ancient Indian Technology	23BTSHL117ME	Not Applicable
Elective: IKS-5- Introduction To Modern Indian Drama	23BTSHL118ME	Not Applicable
Elective: IKS-6- Introduction To Indian Art - An Appreciation	23BTSHL119ME	Not Applicable
Elective: IKS-7- Folk And Minor Art In India	23BTSHL120ME	Not Applicable

Mechanical board

Course	Course Code (L)	Course Code(P)
Elective -I : Vocational and Skill Enhancement-2 Wheelers Maintenance	23BTMEL102	23BTMEP102
Elective -I : Vocational and Skill Enhancement-Digital Fabrication	23BTMEL103	23BTMEP103
Elective -I : Vocational and Skill Enhancement- Solar PV System	23BTMEL104	23BTMEP104
Elective -II : Vocational and Skill Enhancement-Design Thinking	23BTMEL107	23BTMEP107
Elective -II : Vocational and Skill Enhancement-3D Printing	23BTMEL108	23BTMEP108
Elective -II : Vocational and Skill Enhancement-Maintenance of Refrigeration and Air Conditioning Systems	23BTMEL109	23BTMEP109