12 RESPONSIBLE CONSUMPTION AND PRODUCTION

CURRICULUM

B. Tech (R20,R23) Regulation Curriculum			SDG linked to the Curriculum	
S.No	**Course Code**	**Course Name**	**SDG Mapped**	**Department**
1	23ECE103	Electronic Devices and Circuits	12	ECE
2	23ECE104	Digital Circuits Design	12	
3	23ECE202	Electronic Devices and Circuits Laboratory	12	
4	23ECE203	Digital Circuits and Signal Simulation Lab	12	
5	23ECE105	Linear Control Systems	12	
6	23ECE106	EM Waves and Transmission Lines	12	
7	23ECE107	Analog Circuits	12	
8	20ECE416	Digital Image and Video Processing	12	
9	20ECE417	Wireless Sensor Networks	12	
10	20ECE418	Satellite Communication	12	
11	20ECE420	RFIC	12	
12	20ME104	Materials Science and Engineering	12	MECH
13	20ME105	Fluid Mechanics and Hydraulic Machinery	12	
14	20ME111	Heat Transfer	12	
15	20ME112	CAD/CAM	12	
16	20ME113	Automation and Robotics	12	
17	20ME409	Internet of Manufacturing Things	12	
18	20ME411	Carbon Footprint Estimation and Reduction	12	
19	20ME412	Electric Vehicle Technology	12	
20	20ME414	Fundamentals of Aerodynamics	12	
21	20CSE112	Machine Learning	12	
22	20CSE114	Internet of Things	12	
23	20CSE210	Machine Learning Laboratory	12	

24	20CSE212	Internet of Things Laboratory	12	CSE
25	20CSE401	Cryptography and Network Security	12	
26	20CSE402	Real-Time Operating Systems	12	
27	20CSE403	Artificial Intelligence	12	
28	20CSE404	Web Technologies	12	
29	20CSE405	Digital Image Processing	12	
30	20CSE406	Data Warehousing and Data Mining	12	
31	20CSE407	Data Visualization Techniques	12	
32	20CSE409	Network Design and Technologies	12	
33	20CSE411	DevOps	12	
34	20CSE413	Deep Learning	12	
35	20CSE417	Big Data Analytics	12	
36	20CSE423	Reinforcement Learning	12	
37	20EEE101	Basic Electrical Engineering	12	EEE
38	20EEE102	Electrical Circuit Analysis	12	
39	20EEE109	Power Systems – I	12	
40	20EEE110	Power Electronics	12	
41	20EEE111	Micro-controllers and Interfacing	12	
42	20EEE112	Measurements and Transducers	12	
43	20EEE114	Power Systems – II (Analysis)	12	
44	20EEE112	Measurements and Transducers Laboratory	12	
45	20EEE401	Modern Control Systems	12	
46	20EEE402	Industrial Electrical Systems	12	
47	20EEE403	Special Electrical Machines	12	
48	20EEE404	Electrical Safety	12	
49	20EEE405	Electrical and Hybrid Vehicles	12	
50	20EEE406	Electrical Drives and Control	12	
51	20EEE407	Energy Audit and Conservation Management	12	
52	20EEE413	Smart Power Grid	12	
53	20EEE414	Power System Operation and Control	12	
54	20EEE415	Wind and Solar Energy Systems	12	
55	20EEE416	Power Quality	12	
56	20EEE601	Electrical Home	12	

57	20EEE602	Data Structures using Python	12	
58	20CSE104	Object Oriented Programming Java	12	CSE(DS)
59	20CSE109	Full-Stack Implementation	12	CSE(DS)
60	20CST601	Web Development using FLASK Framework	12	
61	20CST602	Data Science using R	12	
62	20CST603	Computer Graphics	12	
63	20CST604	Data Mining	12	
64	20CST605	Software Testing	12	CST
65	20CST606	Pattern Recognition	12	
66	20CST607	Statistics with R Programming	12	
67	20CST608	Middleware Technologies	12	
68	20CST609	Selenium with Java	12	