



**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE**  
(UGC-AUTONOMOUS INSTITUTION)

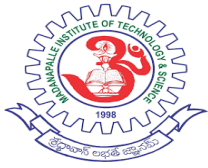
Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi  
NAAC Accredited with A+ Grade, NIRF India Rankings 2024 - Band: 201-300 (Engg.)  
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH,CST), MBA & MCA



**13** CLIMATE  
ACTION



# CURRICULUM



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<b>B. Tech (R20,R23) Regulation Curriculum</b>				<b>SDG linked to the Curriculum</b>	
<b>S.No</b>	<b>Course Code</b>	<b>Course Name</b>	<b>SDG Mapped</b>	<b>Department</b>	
1	23CHE901	Environmental Science	13	CIVIL	
2	23CE105	Engineering Hydrology	13		
3	20ME104	Materials Science and Engineering	13	MECH	
4	20ME105	Fluid Mechanics and Hydraulic Machinery	13		
5	20ME111	Heat Transfer	13		
6	20ME409	Internet of Manufacturing Things	13		
7	20ME410	Renewable Energy Systems	13		
8	20ME411	Carbon Footprint Estimation and Reduction	13		
9	20ME412	Electric Vehicle Technology	13		
10	20ME420	Power Plant Engineering	13		
11	20CSE112	Machine Learning	13		CSE
12	20CSE114	Internet of Things	13		
13	20CSE210	Machine Learning Laboratory	13		
14	20CSE212	Internet of Things Laboratory	13		
15	20CSE401	Cryptography and Network Security	13		
16	20CSE402	Real-Time Operating Systems	13		
17	20CSE403	Artificial Intelligence	13		
18	20CSE404	Web Technologies	13		
19	20CSE405	Digital Image Processing	13		
20	20CSE406	Data Warehousing and Data Mining	13		
21	20CSE407	Data Visualization Techniques	13		
22	20CSE409	Network Design and Technologies	13		
23	20CSE411	DevOps	13		

24	20CSE413	Deep Learning	13	EEE
25	20CSE414	Exploratory Data Analysis	13	
26	20CSE417	Big Data Analytics	13	
27	20CSE423	Reinforcement Learning	13	
28	20EEE109	Power Systems – I	13	
29	20EEE110	Power Electronics	13	
30	20EEE113	Signals and Systems	13	
31	20EEE114	Power Systems – II (Analysis)	13	
32	20EEE405	Electrical and Hybrid Vehicles	13	
33	20EEE407	Energy Audit and Conservation Management	13	
34	20EEE413	Smart Power Grid	13	
35	20EEE415	Wind and Solar Energy Systems	13	
36	20EEE416	Power Quality	13	
37	20EEE601	Electrical Home	13	
38	20EEE603	Internet of Things	13	