



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

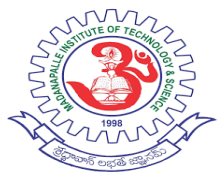
Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
NAAC Accredited with A+ Grade, NIRF India Rankings 2024 - Band: 201-300 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH,CST), MBA & MCA



11 SUSTAINABLE CITIES
AND COMMUNITIES



CURRICULUM



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B. Tech (R20,R23) Regulation Curriculum				SDG linked to the Curriculum
S.No	Course Code	Course Name	SDG Mapped	Department
1	23HUM202	NSS / NCC / Scouts and Guides / Community Service	11	CIVIL
2	23CE101	Engineering Mechanics	11	
3	23CE201	Engineering Mechanics and Building Practices Lab	11	
4	23CE601	Building Planning and Drawing	11	
5	20ME410	Renewable Energy Systems	11	Mech
6	20ME411	Carbon Footprint Estimation and Reduction	11	
7	20ME412	Electric Vehicle Technology	11	
8	20ME416	Total Quality Management	11	
9	20ME419	Manufacturing of Composite Materials	11	
10	20ME420	Power Plant Engineering	11	
11	20CSE114	Internet of Things	11	CSE
12	20CSE212	Internet of Things Laboratory	11	
13	20CSE401	Cryptography and Network Security	11	
14	20CSE402	Real-Time Operating Systems	11	
15	20CSE403	Artificial Intelligence	11	
16	20CSE404	Web Technologies	11	
17	20CSE405	Digital Image Processing	11	
18	20CSE406	Data Warehousing and Data Mining	11	
19	20CSE407	Data Visualization Techniques	11	
20	20CSE409	Network Design and Technologies	11	
21	20CSE411	DevOps	11	
22	20CSE413	Deep Learning	11	
23	20CSE417	Big Data Analytics	11	

24	20CSE423	Reinforcement Learning	11	EEE	
25	20EEE109	Power Systems – I	11		
26	20EEE110	Power Electronics	11		
27	20EEE204	DC Machines and Transformers Laboratory	11		
28	20EEE208	Power System – I Laboratory	11		
29	20EEE114	Power Systems – II (Analysis)	11		
30	20EEE210	Measurements and Transducers Laboratory	11		
31	20EEE211	Power Systems – II Laboratory	11		
32	20EEE402	Industrial Electrical Systems	11		
33	20EEE405	Electrical and Hybrid Vehicles	11		
34	20EEE407	Energy Audit and Conservation Management	11		
35	20EEE409	Switch Gear and Protection	11		
36	20EEE413	Smart Power Grid	11		
37	20EEE414	Power System Operation and Control	11		
38	20EEE415	Wind and Solar Energy Systems	11		
39	20EEE416	Power Quality	11		
40	20EEE601	Electrical Home	11		
41	20EEE603	Internet of Things	11		
42	20HUM3M04	Environmental Management	11		CSE(DS)
43	20CSE604	Green Energy Development	11		
44	20CE901	Sustainable Impact Practice	11		