



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



17 PARTNERSHIPS
FOR THE GOALS



17.4 Education for the SDGs

Metric	Parameter
17.4.2	Education for SDGs specific courses on sustainability



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SDG 17 – PARTNERSHIP FOR GOALS

17.4.2 - Does your university as a body have dedicated courses (full degrees, or electives) that address sustainability and the SDGs?

MITS implements a choice-based credit system offering a wide range of full degree post graduate course and regular/elective courses to the students of under-graduation.

DEPARTMENT OF CIVIL ENGINEERING

Course Code	Course Name	Weblink
20CE104	Environmental Engineering	https://mits.ac.in/public/uploads/ugc/B.Tech%20CIVIL%20-%20R23.pdf
20CE105	Engineering Hydrology	
20CE901	Disaster Management	
20CE404	Green Buildings and Energy Conservation	
20CE405	Air Pollution and Solid Waste Management	
20CE411	Environmental Impact Assessment	
20CE418	Watershed Management	
20CE415	River Hydraulics and Sediment Transport	
20CE403	Remote Sensing and GIS	
20CE413	Railways Engineering	
20CE423	Pavement Design and Analysis	
20CE418	Watershed Management	
20CE421	Offshore Structures	
20CE424	Port Engineering	
23CHE901	Environmental Science	https://mits.ac.in/public/uploads/ugc/154a65e3ffc9de61dcdd86f25e35f324.pdf
23HUM202	NSS / NCC / Scouts and Guides / Community Service	
23HUM101	Universal Human Values	
23CHE201	Engineering Chemistry Laboratory	
23CE108	Environmental Engineering	
23CE602	Remote Sensing and Geographical Information Systems	
20CE606	Python in Civil Engineering (For Sustainability Applications)	
20CE609	Flood Modelling using HEC-RAS	

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Course Code	Course Name	Weblink	
20ME103	Basic Thermodynamics	https://mits.ac.in/public/uploads/ugc/B.Tech%20EEE%20-%20R23.pdf	
20ME104	Materials Science and Engineering		
20ME105	Fluid Mechanics and Hydraulic Machinery		
20ME108	Manufacturing Technology-I		
20ME110	Manufacturing Technology-II		
20ME111	Heat Transfer		
20ME202	Materials Science and Engineering Laboratory		https://mits.ac.in/public/uploads/ugc/B.Tech%20EEE-R20.pdf
20ME203	Fluid Mechanics and Hydraulic Machinery Laboratory		
20ME208	Manufacturing Technology-II Laboratory		
20ME410	Renewable Energy Systems		
20ME411	Carbon Footprint Estimation and Reduction Techniques		
20ME412	Electric Vehicle Technology		
20ME406	Fundamentals of Automotive Engineering		
20ME408	Refrigeration and Air Conditioning		
20ME409	Internet of Manufacturing Things		
20ME413	Additive Manufacturing		
20ME419	Manufacturing of Composite Materials		
20ME420	Power Plant Engineering		
20ME418	Gas Dynamics and Jet Propulsion		
23CHE901	Environmental Science		
23HUM202	NSS/NCC/Scouts and Guides/Community Service		
23HUM101	Universal Human Values		
23EEE107	Power Systems – I		
23EEE109	Control Systems		

DEPARTMENT OF MECHANICAL ENGINEERING

Sustainability-Oriented Courses		
Course Code	Course Name	Weblink
20ME103	Basic Thermodynamics	https://mits.ac.in/public/uploads/ugc/B.Tech%20MECH%20-%20R23.pdf
20ME104	Materials Science and Engineering	
20ME105	Fluid Mechanics and Hydraulic Machinery	
20ME108	Manufacturing Technology-I	
20ME110	Manufacturing Technology-II	
20ME111	Heat Transfer	
20ME410	Renewable Energy Systems	
20ME411	Carbon Footprint Estimation and Reduction Techniques	
20ME412	Electric Vehicle Technology	
20ME413	Additive Manufacturing	
20ME420	Power Plant Engineering	
20ME418	Gas Dynamics and Jet Propulsion	
23CHE901	Environmental Science	
23HUM202	NSS / NCC / Scouts and Guides / Community Service	
23HUM101	Universal Human Values	
23EEE107	Power Systems - I	
23HUM102	Economics and Financial Accounting for Engineers	
20ME406	Fundamentals of Automotive Engineering	