



METHODIST

COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE New Delhi | Affiliated to Osmania University, Hyderabad
Abids, Hyderabad, Telangana, 500001

DEPARTMENT OF CIVIL ENGINEERING

NON-CBCS CURRICULUM REGULATIONS (WEF 2014-15)

I Year	
English	
Mathematics I	
Mathematics II	
Engineering Physics	
Engineering Chemistry	
Programming in C and C++	
Engineering Mechanics	
Engineering Graphics	
Physics Lab	
Chemistry Lab	
Workshop Practice	
Programming Lab	
English Language Lab	
II Year I SEM	II Year II SEM
Mathematics - II	Strength of Materials-II
Building Planning and Drawing	Surveying-II
Engineering Materials & Construction	Fluid Mechanics-I
Engineering Geology	Environmental Studies
Strength of Materials-I	Electrical and Mechanical Technology
Surveying -I	Strength of Materials-Lab.
Engineering Geology Laboratory	Surveying -II Laboratory
Surveying -I Laboratory	Fluid Mechanics-Lab
	Surveying Camp
III Year I Sem	III Year II Sem
Reinforced Cement Concrete	Soil Mechanics
Fluid Mechanics - II	Steel Structures
Theory of Structures - I	Theory of Structures - II
Building Technology and Service	Structural Engineering Design & Detailing - I (RCC)
Transportation Engineering	Water Resources Engineering and Management- II
Managerial Economics and Accountancy	Water and Waste water Engineering

Hydraulics and Hydraulic Machinery Lab	Soil Mechanics Lab.
Transportation Engineering Lab	Environmental Engineering Lab.
Surveying Camp	Industrial Visit/Study
IVyear I sem	IVyear II sem
Structural Engineering Design & Detailing –II(Steel)	Construction Management And Administration
Estimating and Specifications	Disaster Mitigation And Management
Foundation Engineering	Elective - II
Water Resources Engineering– II	Health Monitoring & Retrofitting of Structures
Concrete Technology	Ground Improvement Techniques
Elective-I	Advanced Environmental Engg.
Elements Of Earthquake Engineering	Advanced Reinforced Concrete Design
Surface & Ground water Management	Advanced Transportation Engg.
Pre-Stressed Concrete	Elective - III
Geographical Information Systems	Ground Water Hydrology
Operation Research In Civil Engineering	Finite Element Method
Entrepreneurship	Infrastructure Engineering
Concrete Laboratory	Information Security
Computer Applications Laboratory	Intellectual Property Rights
Project Seminar	Seminar
	Project



Estd : 2008

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DEPARTMENT OF CIVIL ENGINEERING CBCS CURRICULUM REGULATIONS (WEF 2016-17)

I SEM	II SEM
Engineering Mathematics I	Engineering Mathematics II
Engineering physics I	Engineering Physics II
Engineering Chemistry I	Engineering Chemistry II
	Business Communication and Presentation Skills
Engineering Mechanics I	
Solving	Engineering Mechanics II
Engineering English	Engineering Physics Lab II
Engineering Physics Lab I	Engineering chemistry Lab II
Engineering chemistry Lab I	Computer Skills Lab
Engineering Graphics I	Communication Skills Lab
Computer Programming Lab	Engineering Graphics II
Engineering Workshop I	Building Drawing
Engineering English Lab	
III SEM	IV SEM
Engineering Mathematics- III	Numerical Methods
Electrical and Mechanical Technology	Strength of Materials-II
Engineering Geology	Fluid Mechanics-II
Strength of Materials-I	Surveying -II
Fluid Mechanics-I	Hydrology and water Management
Building Materials and Constructuion	Environmental Sciences
Surveying -I	Managerial Economics and Accountancy
Engineering Geology Lab	Material Testing Lab
Surveying -I Lab	Fluid Mechanics-I Lab
	Surveying -II Lab
V SEM	VI SEM
Reinforced Cement Concrete	Earthquake Resistant Design of Buildings
	Structural Engineering Design & Detailing – I (Concrete)
Theory of Structures – I	

Concrete Technology	Theory of Structures – II
Hydraulic Machines	Water Resource Engineering II
Transportation Engg. – I	Soil Mechanics
Environmental Engineering	Transportation Engineering – II
Water Resource Engg. – I	Professional Elective – II
Professional Elective – I	Earthquake Resistant Design of Buildings
Advanced Concrete Technology	Wastewater Treatment
Hydropower Engineering	Ground Improvement Techniques
Infrastructure Engineering	Watershed Management
Soft Computing Skills in CE	Open Elective – I
Fluid Mechanics Lab-II	Disaster Management
Transportation Engineering Lab	Geo Spatial Techniques
Environmental Engineering Lab	Operating Systems
	OOP using Java
	Database Systems
	Principles of Embedded Systems
	Digital System Design using HDL Verilog
	Reliability Engineering
	Basics of Power Electronics
	Industrial Robotics
	Material Handling
	Automotive Safety & Ergonomics
	Soil Mechanics Lab
	Concrete Technology Lab
	Survey Camp
VII SEM	VIII SEM
Str. Engg. Design and Drawing – II (Steel)	Construction Management & Technology
Estimation Costing & Specifications	Professional Elective – III
Finite Element Techniques	Retrofitting and Rehabilitation of structures
Prestressed Concrete	Computer Aided Analysis and Design
Foundation Engineering	Applied Hydrology
Open Elective – II	Introduction to climate Change
Green Building technologies	Professional Elective – IV
Data Science	Structural Dynamics
Fundamentals to IoT	Design with Geosynthetics
Non Conventional Energy sources	Ground water Management
Enterprenuership	Intelligent Transportation systems
Open Elective – III	Professional Elective – V
Road safety engineering	Prefabrication Engineering
Software engineering	Principles of Green building practices
Principles of electronic communication	Advanced Reinforced Concrete Design
Illumination and electric traction system	Traffic Engineering & Infrastructure design

Mechatronics	Gender Sensitization
Computer Application Lab	Project Work – II
Project Work – I	Mandatory Course
Summer Internship	Yoga Practice
	NSS
	Sports



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DEPARTMENT OF CIVIL ENGINEERING

AICTE MODEL CURRICULUM REGULATIONS (WEF 2018-19)

I SEM	II SEM
Chemistry	Physics-I(Mechanics for CE)
Mathematics-I	Mathematics-II
Programming For Problem Solving	Basic Electrical Engineering
Chemistry lab	English
Programming For Problem Solving Lab	Physics Lab
Workshop/Manufacturing process	Basic Electrical Engineering Lab
	Engineering Graphics & Design for CE
	English Lab
III SEM	IV SEM
Engineering Mathematics- III	Numerical Methods
Electrical and Mechanical Technology	Strength of Materials-II
Engineering Geology	Fluid Mechanics-II
Strength of Materials-I	Surveying -II
Fluid Mechanics-I	Hydrology and water Management
Building Materials and Constructuion	Environmental Sciences
Surveying -I	Managerial Economics and Accountancy
Engineering Geology Lab	Material Testing Lab
Surveying -I Lab	Fluid Mechanics-I Lab
	Surveying -II Lab