

Grams: "TECHNOLOGY"
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by Andhra Pradesh Act No.30 of 2008)

Kukatpally, Hyderabad – 500 085, Andhra Pradesh (India)

B.TECH. CIVIL AND ENVIRONMENTAL ENGINEERING

I YEAR

Code	Subject	L	T/P/D	Credits
	English	2	-	4
	Mathematics – I	3	1	6
	Engineering Mechanics	3	-	6
	Engineering Physics	3	-	6
	Engineering Chemistry	3	-	6
	Computer Programming	3	-	6
	Engineering Drawing	2	3	6
	Computer Programming Lab.	-	3	4
	Engineering Physics & Engineering Chemistry Lab	-	3	4
	English Language Communication Skills Lab.	-	3	4
	Engineering Workshop / IT Workshop	-	3	4
	Total	19	16	56

II YEAR I SEMESTER

Code	Subject	L	T/P/D	C
	Mathematics –II	4	-	4
	Electrical & Electronics Engineering	4	-	4
	Strength of Materials –I	4	-	4
	Surveying	4	-	4
	Fluid Mechanics	4	-	4
	Managerial Economics and Financial Analysis	4	-	4
	Surveying Lab- I	-	3	2
	Strength of Materials Lab	-	3	2
	Total	24	6	28

II YEAR II SEMESTER

Code	Subject	L	T/P/D	C
	Probability & Statistics	4	-	4
	Strength of Materials - II	4	-	4
	Hydraulics & Hydraulic Machinery	4	-	4
	Environmental Studies	4	-	4
	Structural Analysis –I	4	-	4
	Building Materials, Construction & Planning	4	-	4
	Computer Aided Drafting of Buildings	-	3	2
	Surveying Lab- II	-	3	2
	Total	24	6	28

III YEAR I SEMESTER

Code	Subject	L	T/P/D	C
	Concrete Technology	4	-	4
	Reinforced Concrete Structures Design and Drawing	4	-	4
	Environmental Engineering	4	-	4
	Geotechnical Engineering	4	-	4
	Water Resources Engineering-I	4	-	4
	Open Elective	4	-	4
	Disaster Management			
	Intellectual Property Rights			
	Human Values and Professional Ethics			
	Fluid Mechanics & Hydraulic Machinery Lab	-	3	2
	Environmental Engineering Lab	-	3	2
	Total	24	6	28

III YEAR II SEMESTER

Code	Subject	L	T/P/D	C
	Steel Structures Design and Drawing	3	2	4
	Engineering Geology	4	-	4
	Water Resources Engineering-II	4	-	4
	Foundation Engineering	4	-	4
	Structural Analysis-II	4	-	4
	Elective -I	4	-	4
	Fundamentals of Ecology			
	Environmental Chemistry			
	Ground Water Hydrology			
	Principles of Entrepreneurship			
	Geotechnical Engineering Lab	-	3	2
	Advanced Communication Skills Lab	-	3	2
	Total	23	8	28

IV YEAR I SEMESTER

Code	Subject	L	T/P/D	C
	Transportation Engineering	4	-	4
	Solid waste Management	4	-	4
	Estimating & Costing	4	-	4
	Air Pollution and Control	4	-	4
	Elective-II	4	-	4
	Industrial Waste Water Treatment			
	Environmental Pollution of Soil & Remediation			
	Watershed Management			
	Elective-III	4	-	4
	Environmental Sanitation			
	Finite Element Methods			
	Remote Sensing & GIS			
	Concrete & Highway Materials Lab	-	3	2
	Engineering Geology Lab	-	3	2
	Total	24	6	28

IV YEAR II SEMESTER

Code	Subject	L	T/P/D	C
	Environmental Impact Assessment	4	-	4
	Construction Management	4	-	4
	Elective-IV	4	-	4
	Ground Improvement Techniques			
	Ground Water Pollution			
	Water Quality Management			
	Industry Oriented Mini Project	-	-	2
	Seminar	-	6	2
	Project	-	15	10
	Comprehensive viva	-	-	2
	Total	12	21	28

Note: All End Examinations (Theory and Practical) are of three hours duration.

T-Tutorial L – Theory P – Practical/Drawing C – Credits