




JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
Kakinada-533003, Andhra Pradesh (India)

Program wise Curriculum Analysis of (R13)

Program Code	Program Name	No of Courses having focus on			Total Courses	Percentage
		Employability	Entrepreneurship	Skill development		
01	B.TECH-CE	29	14	18	91	44


Coordinator


HOD/Director
PROFESSOR & HEAD
Department of Civil Engineering
University College of Engineering
JNTUK, KAKINADA-533 003


REGISTRAR
J.N.T. University Kakinada
Kakinada-533003



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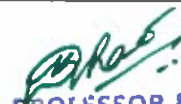
Program Code: 01

Program Name: B.Tech -CE

Year: I

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R13 CE1101	English - I			
R13 CE1102	Mathematics - I			
R13 CE1103	Engineering Chemistry			
R13 CE1104	Engineering Mechanics			
R13 CE1105	Computer Programming			
R13 CE1106	Environmental Studies			
R13 CE1107	Engineering Chemistry Laboratory			YES
R13 CE1108	English - Communication Skills Lab - I			YES
R13 CE1109	C Programming Lab			YES
	Total			3


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Course wise Curriculum Analysis(R13)

Program Code: 01

Program Name: B.Tech - CE

Year: I

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R13 CE1201	English - II			
R13 CE1202	Mathematics – II			
R13 CE1203	Mathematics-III			
R13 CE1204	Engineering Physics			
R13 CE1205	Professional Ethical & Human Values			
R13 CE1206	Engineering Drawing			
R13 CE1207	English-Communication Skills Lab - II			yes
R13 CE1208	Engineering Physics Laboratory			Yes
R13 CE1209	Engineering Workshop & IT Workshop			Yes
R13 CE1210	Engineering Physics Virtual Lab Assignments			yes
	Total	0		4


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Course wise Curriculum Analysis(R13)

Program Code: 01

Program Name: B.Tech - CE

Year: III

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R13 CE3201	Design and Drawing of Steel Structures		Yes	
R13 CE3202	Geotechnical Engineering – II			
R13 CE3203	Water Resources Engineering-I			
R13 CE3204	Environmental Engineering – I			
R13 CE3205	Transportation Engineering – II			
R13 CE3206 a	Environmental Pollution and Control		Yes	
R13 CE3206 b	Disaster Management		Yes	
R13 CE3206 c	Industrial Water & Waste Water Management		Yes	
R13 CE3206 d	Architecture and Town Planning	Yes		
R13 CE3206 e	Finite Element Method	Yes		
R13 CE3206 f	Green Technologies	Yes		
R13 CE 3207	Transportation Engineering Lab			Yes
	Total	3	4	1


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Course wise Curriculum Analysis(R13)

Program Code: 01

Program Name: B.Tech - CE

Year: IV

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R13 CE4101	Environmental Engineering – II			
R13 CE4102	Estimation, Specifications and Contracts		Yes	
R13 CE4103	Construction Technology and management		Yes	
R13 CE4104	Water Resources Engineering–II	Yes		
R13 CE4105	Remote Sensing and GIS Applications	Yes	Yes	
R13 CE4106 a	Ground Improvement Techniques	Yes		
R13 CE4106 b	Air Pollution and Control	Yes		
R13 CE4106 c	Matrix methods of Structural Analysis	Yes		
R13 CE4106 d	Urban Hydrology	Yes		
R13 CE4106 e	Advanced Surveying	Yes		
R13 CE4106 f	Interior Designs and Decorations	Yes		
R13 CE4106 g	Pre stressed concrete			
R13 CE4107	Environmental Engineering Lab			Yes
R13 CE4108	GIS & CAD Lab			Yes
	Total	8	3	2


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Course wise Curriculum Analysis(R13)

Program Code: 1A01

Program Name: B.Tech-CE

Year: IV

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R13 CE4201	Design and drawing of Irrigation Structures	Yes		
R13 CE4202 a	Engineering with Geo-synthetics	Yes		
R13 CE4202 b	Environmental Impact Assessment and Management	Yes		
R13 CE4202 c	Advanced Structural Engineering	Yes	Yes	
R13 CE4202 d	Ground Water Development and Management			
R13 CE4202 e	Traffic Engineering			
R13 CE4202 f	Infrastructure Management		Yes	
R13 CE4203 a	Advanced foundation Engineering	Yes	Yes	
R13 CE4203 b	Solid waste Management	Yes		
R13 CE4203 c	Earthquake Resistant Design	Yes		
R13 CE4203 d	Water Shed Management			
R13 CE4203 e	Pavement Analysis and Design	Yes		
R13 CE4203 f	Green Buildings			
R13 CE4204 a	Soil Dynamics and Machine Foundations	Yes		
R13 CE4204 b	Environmental and Industrial Hygiene	Yes		
R13 CE4204 c	Repair and Rehabilitation of Structures	Yes	Yes	
R13 CE4204 d	Water Resources System Planning and Management			
R13 CE4204 e	Urban Transportation Planning			
R13 CE4204 f	Safety Engineering	Yes		
R13 CE4204 g	Bridge Engineering	Yes	Yes	
R13 CE4205	Project Work			Yes
TOTAL		13	5	1


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