

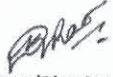


JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
Kakinada-533003, Andhra Pradesh (India)

Program wise Curriculum Analysis of (R19)

Program Code	Program Name	No of Courses having focus on			Total Courses	Percentage
		Employability	Entrepreneurship	Skill development		
01	B.TECH-CE	18	2	18	86	44


Coordinator


HOD/Director
PROFESSOR & HEAD
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University College of Engineering
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REGISTRAR
J.N.T. University Kakinada
Kakinada-533003



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

Course wise Curriculum Analysis(R19)

Program Code: 01

Program Name: B.Tech - CE

Year: II

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R19 BS2101	Probability and Statistics/ M4			
R19 PC2102	Fluid Mechanics			
R19 ES2101	Surveying			
R19 ES2102	Engineering Geology			
R19 PC2103	Building Materials and Construction			
R19 PC2104	Strength of Materials Lab			Yes
R19 ES2103	Surveying Field Work – I			
R19 ES2104	Engineering Geology Lab			Yes
	Total			2

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Course wise Curriculum Analysis(R19)

Program Code: 01

Program Name: B.Tech - CE

Year: II

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R19 PC2201	Transportation Engineering – I			
R19 PC2202	Hydraulics and Hydraulic Machinery			
R19 ES2201	Structural Analysis – I			
R19 PC2203	Building Planning and Drawing			
R19 PC2204	Concrete Technology			
R19 PC2205	Managerial Economics and Financial Analysis		Yes	
R19 ES2202	Surveying Field work – II			
R19 PC2206	Fluid Mechanics Lab			Yes
R19 MC2201	Socially Relevant Projects			
R19 MC2202	Essence of Indian Traditional Knowledge/Professional Ethics and Human Values			
Total			1	1


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Course wise Curriculum Analysis(R19)

Program Code: 01

Program Name: B.Tech - CE

Year: III

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R19 PC3101	Structural Analysis - II			
R19 PC3102	Design of Reinforced Concrete Structures			
R19 PC3103	Environmental Engineering - I			
R19 PC3104	Geotechnical Engineering - I			
R19 PC3105	Water Resources Engineering - I			
R19 PC3106	Geotechnical Engineering Lab			Yes
R19 PC3107	Concrete Technology Lab			Yes
R19 PC3108	Hydraulic Machinery Lab			Yes
R19 MC3101	Socially Relevant Projects	Yes		
Total		1		3


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Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis(R19)

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)
R19 PC3201	Design of Steel Structures			
R19 PC3202	Geotechnical Engineering – II			
R19 PC3203	Transportation Engineering - II			
R19 PE3201	Construction Technology & Management			
R19 PC3204	Environmental Engineering – II			
R19 OE3201a	Disaster Management	Yes		
R19 OE3201b	Environmental Pollution & Control	Yes		
R19 OE3201c	Elements Of Civil Engineering	Yes		
R19 OE3201d	Green Technology	Yes		
R19 OE3201e	Smart Cities	Yes		
R19 OE3201f	Project Management	Yes		
R19 OE3201g	Traffic Safety	Yes		
R19 OE3201h	Wastewater Treatment	Yes		
R19 PC3205	Environmental Engineering Lab			Yes
R19 PC3206	Transportation Engineering Lab			Yes
R19 PR3201	Indian Traditional Knowledge/ Research Methodology/ Professional Ethics and Human Values			
Total		8		2

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Course wise Curriculum Analysis(R19)

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)
R19 PC4101	Water Resources Engineering - II			
R19 PE4101	Estimation Specifications and Contracts			
R19 PE4102	Remote Sensing & GIS			
R19 PE4103	Ground Improvement Techniques			
R19 OE4101a	DISASTER MANAGEMENT	Yes		
R19 OE4101b	ENVIRONMENTAL POLLUTION AND CONTROL	Yes		
R19 OE4101c	ELEMENTS OF CIVIL ENGINEERING	Yes		
R19 OE4101d	GREEN TECHNOLOGY	Yes		
R19 OE4101e	SMART CITIES	Yes		
R19 OE4101f	PROJECT MANAGEMENT	Yes		
R19 OE4101g	TRAFFIC STUDY	Yes		
R19 OE4101h	GEO-SPACIAL TECHNOLOGIES	Yes		
R19 OE4101i	WASTEWATER TREATMENT	Yes		
R19 PC4102	GIS & CAD Lab			Yes
R19 PC4103	Design & Drawing of Concrete Structures and Steel Structures			
R19 PR4101	Industrial Training/ Skill Development Programs/Research Project Project Work Phase-I			Yes
Total		9		2


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Course wise Curriculum Analysis(R19)

Program Code: 01

Program Name: B.Tech-CE

Year: IV

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R19 PE4201	Design and Drawing of Irrigation Structures			
R19 PE4202	Bridge Engineering		Yes	
R19 PE4203	Pre-stressed Concrete			
R19PR4201	Project Work Phase-II			Yes
	TOTAL		1	1


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