



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

Program wise Curriculum Analysis of (R16)

Program Code	Program Name	No of Courses having focus on			Total Courses	Percentage
		Employability	Entrepreneurship	Skill development		
01	B.TECH-CE	23	11	16	88	34

NW
Coordinator

Pras
HOD/Director

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

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



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

Course wise Curriculum Analysis(R16)

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)
R16 CE1101	English – I			
R16 CE1102	Mathematics - I			
R16 CE1103	Engineering Physics			
R16 CE1104	Elements of Mechanical Engineering			
R16 CE1105	Environmental Studies			
R16 CE1106	Computer Programming			
R16 CE1107	Engineering Physics Laboratory			YES
R16 CE1108	English – Communication Skills Lab – I			YES
R16 CE1109	C Programming Lab			YES
R16 CE1110	Engineering Physics Virtual Lab Assignments			
	Total	0		3


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



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis(R16)


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)
R16 CE1201	English - II			
R16 CE1202	Mathematics - II			
R16 CE1203	Basic Electrical & Electronics Engineering			
R16 CE1204	Engineering Chemistry			
R16 CE1205	Engineering Mechanics			
R16 CE1206	Engineering Drawing			
R16 CE1207	English-Communication Skills Lab - II			YES
R16 CE1208	Engineering Chemistry Laboratory			Yes
R16 CE1209	Engineering Workshop & IT Workshop			Yes
	Total	0		3


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



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

Course wise Curriculum Analysis(R16)

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)
R16 CE2101	Mathematics-III			
R16 CE2102	Building Planning & Drawing		YES	
R16 CE2103	Strength of Materials-I			
R16 CE2104	Building Materials and Construction	YES	YES	
R16 CE2105	Surveying	YES		
R16 CE2106	Fluid Mechanics			
R16 CE2107	Surveying Field work-I			
R16 CE2108	Strength of Materials Lab			Yes
R16 MC2109	Professional Ethics and Human Values			YES
				YES
	Total	2	2	3

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



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

Course wise Curriculum Analysis(R16)

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)
R16 CE2201	Probability & Statistics			
R16 CE2202	Strength of Materials- II			
R16 CE2203	Hydraulics and Hydraulic Machinery			
R16 CE2204	Concrete Technology		YES	
R16 CE2205	Structural Analysis - I			
R16 CE2206	Transportation Engineering - I			
R16 CE2207	Fluid Mechanics and Hydraulic Machinery Lab			YES
R16 CE2208	Surveying Field work-II			YES
R16 MC2209	Management Science		YES	
	Total		2	2


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



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

Course wise Curriculum Analysis(R16)


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)
R16 CE3101	Managerial Economics and Financial Analysis		YES	
R16 CE3102	Engineering Geology			
R16 CE3103	Structural Analysis – II			
R16 CE3104	Design and Drawing of Reinforced Concrete Structures	YES	YES	
R16 CE3105	Transportation Engineering – II			
R16 CE3106	Transportation Engineering Lab			Yes
R16 CE3107	Engineering Geology Lab			Yes
R16 CE3108	Concrete Technology Lab			Yes
	Total	1	2	3


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



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis(R16)


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)
R16 CE3201	Design and Drawing of Steel Structures	YES	YES	
R16 CE3202	Geotechnical Engineering – I			
R16 CE3203	Water Resources Engineering–I			
R16 CE3204	Environmental Engineering – I			
R16 CE3205 a	Electronic Instrumentation	Yes		
R16 CE3205 b	Data Base Mangement Systems	Yes		
R16 CE3205 c	Computer Graphics	Yes		
R16 CE3205 d	Neural Networks & Fuzzy logic	Yes		
R16 CE3205 e	Entrepreneurship	Yes		
R16 CE3205 f	Green Engineering System			Yes
R16 CE3206	Geotechnical Engineering Lab			
R16 CE3207	Computer Aided Engineering Drawing			YES
R16 CE3208	Environmental Engineering – I			
	Total	6	1	2


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



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis(R16)

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)
R16 CE4101	Environmental Engineering – II			
R16 CE4102	Geotechnical Engineering - II			
R16 CE4103	Water Resources Engineering–II	YES		
R16 CE4104	Remote Sensing and GIS Applications	YES		
R16 CE4105 a	Finite Element Methods			
R16 CE4105 b	Ground Improvement Techniques	Yes		
R16 CE4105 c	Air Pollution & Control	Yes		
R16 CE4105 d	Urban Hydrology			
R16 CE4105 e	Traffic Engineering			
R16 CE4105 f	Disaster Management	Yes		
R16 CE4106 a	Advanced Structural Engineering	YES	YES	
R16 CE4106 b	Advanced Foundation Engineering	YES		
R16 CE4106c	Environmental Impact Assessment & Management			
R16 CE4106 d	Ground water development			
R16 CE4106 e	Pavement Analysis and Design	YES		
R16 CE4106 f	Architecture and Town Planning		YES	
R16 CE4107	Seminar			YES
R16 CE4108	GIS & CAD Lab			YES
R16 CE4109	IPR & Patents			
Total		8	2	2


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



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

Course wise Curriculum Analysis(R16)

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)
R16 CE4201	Estimations, Specifications and Contracts		YES	
R16 CE4202	Construction Technology and Management		YES	
R16 CE4203	Prestressed Concrete	YES		
R16 CE4204 a	Bridge Engineering	YES		
R16 CE4204 b	Soil Dynamics and Foundations	YES		
R16 CE4204 c	Solid and Hazardous Waste Management	YES		
R16 CE4204d	Water Resources Systems Planning & Management			
R16 CE4204 e	Urban Transportation Planning	YES		
R16 CE4204f	Safety Engineering			
R16 CE4205	Design and drawing of Irrigation Structures	YES		YES
R16 CE4206	Project Work			
	TOTAL	6	2	1


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