



**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		
71	M.TECH- SE	16	0	7	32	66

*NW*  
Coordinator

*R. Rao*  
HOD/Director  
PROFESSOR & HEAD  
Department of Civil Engineering  
University College of Engineering  
JNTUR, KAKINADA-533 003

*S. Sundar*  
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: D20

Program Name:M.Tech - SE

Year: I

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16 MSEI-1101	Advanced Mathematics			
R16 MSEI-1102	Theory of Elasticity			
R16 MSEI-1103	Matrix Analysis of Structures			
R16 MSEI-1104	Structural Dynamics			
R16 MSEI-1105 a	Experimental Stress Analysis	YES		
R16 MSEI-1105 b	Sub Structure Design	YES		
R16 MSEI-1105 c	Structural Optimization	YES		
R16 MSEI-1105 d	Port and Harbour Structures	YES		
R16 MSEI-1106 a	Repair and Rehabilitation of Structures	YES		
R16 MSEI-1106 b	Analysis and Design of Tall Buildings	YES		
R16 MSEI-1106 c	Plastic Analysis and Design	YES		
R16 MSEI-1116 d	Advanced Reinforced Concrete Design			YES
	<b>Total</b>	<b>7</b>		<b>1</b>

  
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: D20

Program Name:M.Tech - SE

Year: I

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16 MSEII-1201	Advanced Structural Engineering Laboratory			
R16 MSEII-1202	Finite Element method			
R16 MSEII-1203	Earthquake Resistant Design			
R16 MSEII-1204	Theory of plates& shells			
R16 MSEII-1205	Stability of Structures			
R16 MSEII-1206 a	Prestressed concrete	YES		
R16 MSEII-1206 b	Mechanics of composite materials	YES		
R16 MSEII-1206 c	Fracture Mechanics	YES		
R16 MSEII-1206 d	Analysis of Offshore structures	YES		
R16 MSEII-1207 a	Industrial Structures	YES		
R16 MSEII-1207 b	Bridge Engineering	YES		
R16 MSEII-1207 c	Earth Retaining Structures	YES		
R16 MSEII-1207 d	Inelastic Design of slabs			YES
R16 MSEII-1208	CAD Laboratory			YES
	<b>Total</b>	<b>7</b>		<b>2</b>

**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: D20

Program Name:M.Tech - SE

Year: II

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16 MSES-1 2101	Seminar			YES
R16 MSED-1 2102	Design Project			YES
R16 MSEPR-1 2103	Dissertation /Thesis	YES		
<b>Total</b>		<b>1</b>	<b>0</b>	<b>2</b>

**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: D20

Program Name:M.Tech - SE

Year: II

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16 MSES-2 2201	Seminar			YES
R16 MSED-2 2202	Design Project			YES
R16 MSEPR-2 2203	Dissertation/Thesis	YES		
<b>Total</b>		<b>1</b>	<b>0</b>	<b>2</b>

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