



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		
021D19	M.Tech-Soil Mechanics & Foundation Engineering	5	5	9	20	95
021D20	M.Tech-Structural Engineering	8	2	9	20	95
021A01	B.Tech Civil Engineering	1	8	28	67	55


Coordinator


H.O.D
PROFESSOR & HEAD
Department of Civil Engineering,
University College of Engineering
JNTUK, KAKINADA-533 003


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



Course wise Curriculum Analysis(R19)

Program Code:021D20 Program Name: M.Tech –SE

Year:I

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
MSEI-1	Theory of Elasticity	Yes		
MSEI-2	Structural Dynamics	Yes		
Program Elective I MSEI-3	a) Matrix Analysis of Structure	Yes		
	b) Experimental Stress Analysis			
	c) Sub Structure Design			
	d) Structural Optimization			
Program Elective II MSEI-4	a) Bridge Engineering		Yes	
	b) Repair and Rehabilitation of Structures			
	c) Analysis and Design of Tall Structures			
	d) Advanced Reinforced Concrete Design			
MSEMC	Research Methodology and IPR		Yes	
MSEPI-1	Advanced Concrete Laboratory			Yes
MSEPI-2	Advanced Structural Engineering Laboratory			Yes
MSEA-1	Audit Course –1			Yes
Total		3	2	3

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Course wise Curriculum Analysis(R19)

Program Code:021D20 Program Name: M.Tech –SE

Year:I

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
MSEII-1	Finite Element Method	Yes		
MSEII-2	Earthquake Resistant Design	Yes		
Elective III MSEII-3	a) Stability of Structures	Yes		
	b)Mechanics of Composite Materials			
	c) Fracture Mechanics			
	d)Analysis of Offshore Structures			
Elective IV MSEII-4	a) Theory of Plates and Shells	Yes		
	b)Precast and Prefabricated Structures			
	c) Earth Retaining Structures			
	d) Inelastic Design of Slabs			
MSEMC	Computer Aided Design Laboratory			Yes
MSEPII-1	Structural Design laboratory			Yes
MSEPII-2	Mini Project With Seminar			Yes
MSEA-2	Audit Course -2			Yes
Total		4		4


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Course wise Curriculum Analysis(R19)

Program Code:021D20 Program Name: M.Tech –SE

Year:II

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
Program Elective /MOOCS MSEIII-1	a) Plastic Analysis and Design	Yes		
	b) Prestressed Concrete			
	c) Industrial Structures			
MSEIII-2	Open Elective / MOOCS			Yes
Dissertation	Dissertation Phase-I / Industrial Project (To be continued and Evaluated next Semester)*			Yes
Total		1		2

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Course wise Curriculum Analysis(R19)

Program Code: 021D20 Program Name: M.Tech –SE

Year:II

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
Dissertation	Project / Dissertation PhaseII (Continued from III Semester)			Yes
Total				1



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