




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



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Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis(R19)

Program Code:021D19

Program Name: M.Tech-SMFE

Year:I

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
MSFI-1	Advanced Soil Mechanics		Yes	
MSFI-2	Foundation Engineering-I	Yes		
Program Elective – I MSFI-3	a) Ground Improvement Techniques		Yes	
	b) Soil-Foundation Interaction			
	c) Critical State Soil Mechanics			
Program Elective – II MSFI-4	a) Design with Geosynthetics	Yes		
	b) Rock Mechanics			
	c) Remote Sensing & Geographical Information Systems			
MSFMC	Research Methodology and IPR		Yes	
MSFPI-1	Geotechnical Engineering Lab-I			Yes
MSFPI-2	Geotechnical Engineering Lab-II			Yes
MSFA-1	Audit Course –I			Yes
Total		2	3	3


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Course wise Curriculum Analysis(R19)

Program Code:021D19

Program Name: M.Tech –SMFE

Year:I

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
MSFII-1	Foundation Engineering-II	Yes		
MSFII-2	Earth Retaining Structures	Yes		
Program Elective-III MSFII-3	a) Pavement Analysis Design & Evaluation		Yes	
	b) Construction Planning & Methods			
	c) Geotechnical Earthquake Engineering			
Program Elective-IV MSFII-4	a) Earth Dams		Yes	
	b) Construction in Expansive Soils			
	c) Numerical Methods in Geotechnical Engineering			
MSFP II-1	Geotechnical Engineering Lab-III			Yes
MSFP II-2	Software Design Lab			Yes
MSFMP	Mini Project With Seminar			Yes
MSFA-2	Audit Course -2			Yes
Total		2	2	4

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Course wise Curriculum Analysis(R19)

Program Code:021D19

Program Name: M.Tech –SMFE

Year:II

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
Program Elective-V MSFIII-1	Elective /MOOCS	Yes		
	a) Geo-Environmental Engineering			
	b) Soil Dynamics & Machine Foundations			
	c) Finite Element Method			
Open Elective MSFIII-2	Open Elective / MOOCS			
Core	Dissertation Phase-I / Industrial Project (To be continued and Evaluated next Semester)*			Yes
Total		I		I


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Course wise Curriculum Analysis(R19)

Program Code:021D19

Program Name: M.Tech –SMFE

Year:II

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
Core	Dissertation Phase-II (continued from III Semester)			Yes
	Total			1

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