



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		
D19	M.TECH- SMFE	19	0	6	32	78

Nh2
Coordinator

[Signature]
HOD/Director
PROFESSOR & HEAD
Department of Civil Engineering
University College of Engineering
INTUK, KAKINADA-533 003

[Signature]
REGISTRAR
J.N.T. University Kakinad.
Kakinada-533003



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Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis(R16)

Program Code: D19

Program Name:M.Tech - SMFE

Year: I

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16 MSFI-1101	Advanced Mathematics			
R16 MSFI-1102	Advanced soil mechanics			
R16 MSFI-1103	Foundation Engineering - I	YES		
R16 MSFI-1104 a	Ground Improvement Techniques	YES		
R16 MSFI-1104 b	Designing with Geosynthetics	YES		
R16 MSFI-1104 c	Soil-Foundation Interaction	YES		
R16 MSFI-1104 d	Critical State Soil Mechanics	YES		
R16 MSFI-1105 a	Earth Dams	YES		
R16 MSFI-1105 b	Rock mechanics	YES		
R16 MSFI-1105 c	Remote Sensing and Geographical Information Systems			YES
R16 MSFP-1106	Advanced Geotechnical Engineering laboratory			YES
	Total	6		2


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Course wise Curriculum Analysis(R16)


Program Code: D19

Program Name:M.Tech - SMFE

Year: I

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16 MSFII-1201	Foundation Engg. – II	YES		
R16 MSFII-1202	Earth Retaining structures	YES		
R16 MSFII-1203	Soil Dynamics & Machine Foundations			
R16 MSFII-1204	Construction in Expansive Soils	YES		
R16 MSFII-1205a	Pavement Analysis, Design and Evaluation	YES		
R16 MSFII-1205 b	Construction Planning and Methods	YES		
R16 MSFII-1205 c	Geotechnical Earth Quake Engineering	YES		
R16 MSFII-1206 a	Geo – Environmental Engg.,	YES		
R16 MSFII-1206b	Numerical Methods in Geotechnical Engineering	YES		
R16 MSFII-1206c	Finite Element Method	YES		
R16 MSFP-1207	Computer Laboratory			YES
	Total	9		1


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Program Code: D19

Program Name:M.Tech - SMFE

Year: II

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16 MSFS-2101	Seminar			YES
R16 MSFD-2102	Design project	YES		
R16 MSFPR 2103	Dissertation/Thesis	YES		
	Total	2	0	1

Signature



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Program Code: D19

Program Name:M.Tech - SMFE

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		
	Total	2	0	2


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