





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

Program wise Curriculum Analysis of (R20)

Program Code	Program Name	No of Courses having focus on			Total Courses	Percentage
		Employability	Entrepreneurship	Skill development		
03	B.TECH-ME	8	4	27	68	57
15	M.TECH-MD	5	1	8	20	70
04	M.TECH-CAD/CAM	3	1	8	20	60


Coordinator


HOD/Director
Mechanical Engineering Department
University College of Engineering
J.N.T. University Kakinada
KAKINADA


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



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

Course wise Curriculum Analysis(R19)

Program Code: 04

Program Name: M.Tech-CAD/CAM

Year:I

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
CA 101	Geometric Modeling			
CA 102	Computer Aided Manufacturing			
Program Elective – I CA 103	CA 1031	Computational Methods in Engineering		
	CA 1032			
	CA 1033			
Program Elective – II CA 104	CA 1041	Mechatronics	YES	
	CA 1042			
	CA 1043			
CA 105	Advanced CAD Lab			YES
CA 106	Simulation of Manufacturing Systems Lab			YES
CA 107	Research Methodology and IPR		YES	
CA 108	Writing Skills for Scientific Communication			YES
Total		1	1	3



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Course wise Curriculum Analysis(R19)

Program Code: 04

Program Name: M.Tech –CAD/CAM

Year:I

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
CA 201	Theory of Elasticity and Plasticity			
CA 202	Advanced Manufacturing Processes			
Program Elective– III CA 203	CA 2031	Advanced Finite Element Methods		
	CA 2032	Fracture mechanics		
	CA 2033	Product Design and Development		
Program Elective– IV CA 204	CA 2041	Materials Characterization Techniques	YES	
	CA 2042	Optimization & Reliability		
	CA 2043	Additive Manufacturing		
CA 205	Material Characterization Lab			YES
CA 206	Advanced Manufacturing Lab			YES
CA 207	Mini Project With Seminar			YES
CA 208	Value Education			
Total		1		3



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Year:II

Semester: I

Course code	Course name		Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
Program Elective– V CA301	CA 3011	Non destructiveEvaluation	Yes		
	CA 3012	Quality engineering			
	CA 3013	Green Manufacturing			
	CA 3014	MOOCS/ NPTEL			
Open Elective CA 302	CA 3021	Nano Technology	YES		
	CA 3022	Optimization Techniques			
	CA 3023	Product Design and Manufacturing			
CA 303	Project /Dissertation Phase-I				YES
Total			1		1



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Program Code: 04

Program Name: M.Tech –CAD/CAM

Year: II

Semester: II

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

Coordinator

HEAD
Mechanical Engineering Department
Chairman, Board of Studies
University College of Engineering
J.N.T. University Kakinada
KAKINADA