



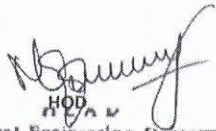
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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		
1D15	M.TECH-MD	13	0	07	31	64


Coordinator


HOD
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(R16)

Program Code: 15

Program Name: M.Tech – MACHINE DESIGN

Year: I

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurs hip (Yes/No)	Skill developme nt (Yes/No)
R16MD101	Computational Methods in Engineering			
R16MD102	Advanced Mechanics of Solids			
R16MD103	Advanced Mechanisms			
R16MD104	Mechanical Vibrations			
R16MD1051A	Design of Automobile Systems			
R16MD 1052B	Product Design			
R16MD 1053C	Geometric Modeling			
R16MD 1054D	Non Destructive Evaluation	YES		
R16MD 1061A	Fracture Mechanics	YES		
R16MD 1062B	Robotics	YES		
R16MD 1063C	Design for Manufacturing & Assembly	YES		
R16MD 1064D	Continuum Mechanics	YES		
R16MD107	Machine Dynamics Lab			YES
Total		05		01



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Course wise Curriculum Analysis (R16)

Program Code: 15

Program Name: M.Tech - MACHINE DESIGN

Year: I

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16MD201	Optimization and Reliability			
R16MD202	Experimental Stress Analysis			
R16MD203	Advanced Finite Element Methods			
R16MD204	Design with advanced Materials			
R16MD 2051A	Tribology	YES		
R16MD 2052B	Signal Analysis and Condition Monitoring	YES		
R16MD 2053C	Computational Fluid Dynamics	YES		
R16MD 2054D	Design Synthesis	YES		
R16MD 2061A	Pressure Vessel Design	YES		
R16MD 2062B	Mechanics of Composite Materials	YES		
R16MD 2063C	Mechatronics	YES		
R16MD	Mechatronics	YES		

2064D				
R16MD207	Design Practice Lab			YES
		Total	08	01



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Program Code: 15

Program Name: M.Tech -MACHINE DESIGN

Year:II

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16MD208	Seminar - I			YES
R16MD209	comprehensive viva voce			YES
R16MD210	Project Work - Part I			YES
		Total		03



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Course wise Curriculum Analysis (R16)

Program Code: 15

Program Name: M.Tech -MACHINE DESIGN

Year: II

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneur ship (Yes/No)	Skill development (Yes/No)
R16MD211	Seminar -II			Yes
R16MD212	Project Work- Part II			Yes
	Total			02