

ACHARYA NAGARJUNA UNIVERSITY: NAGARJUNA NAGAR

SCHEME OF EXAMINATION AND INSTRUCTION FOR

M.TECH (CAD/CAM) :: FIRST SEMESTER

S. No	Code No & Subject	Hours/Week		Credits	Evaluation of Marks			
		Lecture	Practical		Internal	External		Total
						Theory	Practical	
1	MT/ME/CC/MD -511 Computer Aided Design	4	--	4	40	60	--	100
2	MT/ME/CC/MD-512 Finite Element Analysis	4	--	4	40	60	--	100
3	MT/ME/CC – 513 CNC & PP	4	--	4	40	60	--	100
4	Elective Subject-1	4	--	4	40	60	--	100
5	Elective Subject-2	4	--	4	40	60	--	100
6	Elective Subject-3	4	--	4	40	60	--	100
7	MT/ME/CC-551– CAD LAB	--	3	2	40	--	60	100
8	MT/ME/CC-552– CAM LAB	--	3	2	40	--	60	100
TOTAL		24	6	28				800

SCHEME OF EXAMINATION AND INSTRUCTION FOR

M.TECH (CAD/CAM) :: SECOND SEMESTER

S. No	Code No & Subject	Hours/Week		Credits	Evaluation of Marks			
		Lecture	Practical		Internal	External		Total
						Theory	Practical	
1	MT/ME/CC -514 : Computer Integrated Manufacturing	4	--	4	40	60	--	100
2	MT/ME/CC -515: Robotics	4	--	4	40	60	--	100
3	MT/ME/CC/MD -516: Optimization Techniques	4	--	4	40	60	--	100
4	Elective Subject-4	4	--	4	40	60	--	100
5	Elective Subject-5	4	--	4	40	60	--	100
6	Elective Subject-6	4	--	4	40	60	--	100
7	MT/ME/MD-561 Automation Lab	--	3	2	40	--	60	100
8	MT/ME/CC -562 Mini Project/ Seminar	--	3	2	100	--	--	100
TOTAL		24	6	28				800

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SCHEME OF EXAMINATION AND INSTRUCTION FOR

M.TECH (CAD/CAM) :: THIRD SEMESTER

Si No	Code No & Subject	Hours/Week		Credits	Evaluation of Marks		
		Lecture	Practical		Internal	External	Total
1	MT/ME/CC -711 Internship / Seminar	---	---	2	100	--	100
2	MT/ME/CC -712 Project Seminar	--	---	6	100	--	100

SCHEME OF EXAMINATION AND INSTRUCTION FOR

M.TECH (CAD/CAM) :: FOURTH SEMESTER

Si No	Code No & Subject	Hours/Week		Credits	Evaluation of Marks		
		Lecture	Practical		Internal	External	Total
1	MT/ME/MD -713 Project Viva	--	---	16	50	150	200

LIST OF SUBJECTS

ELECTIVE SUBJECTS:

Subject Code	Subject Title
MT/ME/CC/MD -611	Computational Methods
MT/ME/CC/MD -612	Advanced Mechanisms Design
MT/ME/CC -613	Design of Mechanisms & Manipulators
MT/ME/CC/MD -614	Design for Manufacturing
MT/ME/CC -615	Mechanical Vibrations
MT/ME/CC -616	Advances in Manufacturing Technology
MT/ME/CC -617	Computer Aided Process Planning
MT/ME/CC -618	Mechatronics
MT/ME/CC -619	Computer Graphics
MT/ME/CC -620	Concurrent Engineering
MT/ME/CC/MD -621	Mechanics of Composite Materials
MT/ME/CC/MD -622	Computational Fluid Dynamics
MT/ME/CC -623	Artificial Intelligence & Expert Systems
MT/ME/CC -624	Design of Material Handling Equipment
MT/ME/CC/MD -625	Reliability Engineering
MT/ME/CC/MD -626	Quality Engineering
MT/ME/CC/MD -627	Fluidics & Control Systems
MT/ME/CC/MD -628	Nanotechnology

LAB COURSES:

MT/ME/CC -551	:	Computer Aided Design Lab
MT/ME/CC -552	:	Computer Aided Manufacturing Lab
MT/ME/CC -561	:	Automation Lab
MT/ME/CC -562	:	Mini Project / Seminar



24 credits have to be achieved from Core Subjects.



24 credits have to be achieved from Elective Subjects.



8 credits have to be achieved from Labs.



2 credits have to be achieved from internship.



22 credits have to be achieved from Project.



Total 80 credits required for Awarding the M.Tech Degree.