Annexure 2: MTech. CAD-CAM

Program Name: Master of Technology (02)								Program Code: ME CAD-CAM (008)				
Semester / Year : First Year Master of Technology – Semester I								Effective From Academic Year: 2022-23				

Subject Code	Course Type	Subject Name	Credit	L	T	P	Total	Theory (Marks) University Assessment	Theory (Marks) Continuous Assessment	Practical (Marks) University Assessment	Practical (Marks) Continuous Assessment	Total (Marks)
10000152	Audit Course	Disaster Management	0	2	0	0	2	0	50	0	0	50
10000151	MLC	Research Methodology and IPR	3	1	1	2	4	0	0	80	20	100
10080109	Core-1	Applied Mathematics for Engineers	4	4	0	0	4	60	40	0	0	100
10080101	Core-2	Computer Aided Tools for Manufacturing	4	3	0	2	5	60	40	30	20	150
10080102	Core-3	Computer Application in Design	5	3	0	4	7	60	40	30	20	150
	Program Elective I	-	5	4	0	2	6	60	40	30	20	150
			21				26					700
10080111	Program Elective I	Rapid Prototyping										
10080112	Program Elective I	Advanced Finite element Analysis										
10080113	Program Elective I	Design of Manufacturing Systems										

Program Name: Master of Technology (02)							Program Code: ME CAD-CAM (008)				
Semester / Year : First Year Master of Technology - Semester II							Effective From Academic Year: 2022-23				
Subject Code	Course Type	Subject Name	Credit	Hours per week				Theory (Marks)		Practical (Marks)		Total (Marks)
				L	T	P	Total	University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
10000251	Audit Course	Technical Writing	0	2	0	0	2	0	50	0	0	50
10080201	Core-4	Mechanism Design and Analysis	3	3	0	0	3	60	40	0	0	100
10080202	Core-5	CNC Technology	4	3	0	2	5	60	40	30	20	150
	Program Elective II	-	5	4	0	2	6	60	40	30	20	150
	Program Elective III	-	6	4	2	0	6	60	40	0	0	100
10080209	Core	Research Review & Seminar	3	0	0	6	6	0	0	0	100	100
	Program Elective IV	-	2	2	0	0	2	60	40	0	0	100
			23				30					750

10080211	Program Elective II	Mechanical Behaviour of Material
10080212	Program Elective II	Design for Manufacturing and Assembly
10080213	Program Elective II	Lean and Advanced Manufacturing System
10080221	Program Elective III	Computer Control and Process Planning
10080222	Program Elective III	Quality Management
10080223	Program Elective III	Industrial Robotics
10080231	Program Elective IV	Cost Management of Engineering Projects
10080232	Program Elective IV	Industrial Safety
10080233	Program Elective IV	Composite Materials

Program Name: Master of Technology (02)								Program Code: ME CAD-CAM (008)				
Semester / Year : Second Year Master of Technology - Semester III								Effective From Academic Year:				
Subject Code	Course Type	Subject Name	Credit	**Hours per week**				**Theory (Marks)**		**Practical (Marks)**		Total (Marks)
				L	T	P	Total	University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
10080301	Internal Review	Internal Review I	2	0	0	4	4	0	0	0	100	100
10080302	Dissertation	Dissertation Phase I	14	0	0	28	28	0	0	100	0	100
			16				32					200

Program Name: Master of Technology (02)								Program Code: ME CAD-CAM (008)				
Semester / Year : Second Year Master of Technology - Semester IV								Effective From Academic Year:				
Subject Code	Course Type	Subject Name	Credit	**Hours per week**				**Theory (Marks)**		**Practical (Marks)**		Total (Marks)
				L	T	P	Total	University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
10080401	Internal Review	Internal Review II	2	0	0	4	4	0	0	0	100	100
10080402	Dissertation	Dissertation Phase II	14	0	0	28	28	0	0	100	0	100
			16				32					200