MDM courses offered by the Department of Civil Engineering to all UG Programs except UG Civil Engg.

Semester	Code	Course Name	L	T	P	Hr	Cr	MSE/LA1	ISE/LA2	ESE	OE
IV	7MDCV221	Building Planning and Construction	3			3	**3**	30	20	50	
V	7MDCV301	Waste Management and Pollution Control	3			3	**3**	30	20	50	
VI	7MDCV321	Infrastructure Planning and Development	3	1		4	**4**	30	20	50	
Sem B	7MDCV401	Irrigation and Watershed Management	2			2	**2**	30	20	50	
Sem B	7MDCV471	Field Studies			4	4	**2**	30	30	40	
							14				

MDM courses offered by the Department of Applied Mechanics to all UG Programs except UG Civil Engg.

Semester	Code	Course Name	L	T	P	Hr	Cr	MSE/LA1	ISE/LA2	ESE	OE
IV	7MDAM221	Introduction to Mechanics of Materials	3			3	**3**	30	20	50	
V	7MDAM301	Advanced Mechanics of Materials	3			3	**3**	30	20	50	
VI	7MDAM321	Rehabilitation of Concrete Structures	3			3	**3**	30	20	50	
VI	7MDAM371	Rehabilitation of Concrete Structures Laboratory			2	2	**1**	30	30	40	
Sem B	7MDAM421	Introduction to Earthquake Engineering	3			3	**3**	30	20	50	
Sem B	7MDAM471	Introduction to Earthquake Engineering Laboratory			2	2	**1**	30	30	40	
							14				

MDM courses offered by the Department of Mechanical Engineering to all UG Programs except UG Mech. and Robotics and Automation Engg.

Semester	Code	Course Name	L	T	P	Hr	Cr	MSE/LA1	ISE/LA2	ESE	OE
IV	7MDME221	Elements of Mechanical Engineering	3	0	0	3	**3**	30	20	50	
V	7MDME301	Manufacturing Systems	3	0	0	3	**3**	30	20	50	
VI	7VSME321	Thermal Engineering	3	0	0	3	**3**	30	20	50	
VI	7VSME371	Mechanical Systems Lab	0	0	2	2	**1**	30	30	40	
Sem B	7VSME421	Industrial Engineering	3	0	0	3	**3**	30	20	50	
Sem B	7VSME471	Mini Project	0	0	2	2	**1**	30	30	40	
							14				

MDM courses offered by the Department of Electrical Engineering to all UG Programs except UG Electrical, UG Electronics, and UG Robotics & Automation Engg.

Semester	Code	Course Name	L	T	P	Hr	Cr	MSE/LA1	ISE/LA2	ESE	OE
IV	7MDEL221	Electrical Machines	3	0	0	3	**3**	30	20	50	
V	7MDEL301	Power System Engineering	3	0	0	3	**3**	30	20	50	
VI	7MDEL321	Power Electronics Drives	4	0	0	4	**4**	30	20	50	
Sem B	7MDEL421	Industrial Automation	4	0	0	4	**4**	30	30	40	
							14				

MDM courses offered by the Department of Electronics Engineering to all UG Programs except UG Electronics, UG Electrical and Robotics & Automation Engg.

Semester	Code	Course Name	L	T	P	Hr	Cr	MSE/LA1	ISE/LA2	ESE	OE
IV	7MDEN221	Electronics Devices and Circuits	3	0	0	3	**3**	30	20	50	

Semester	Code	Course Name	L	T	P	Hr	Cr	MSE/LA1	ISE/LA2	ESE	OE
V	7MDEN301	Digital Electronics System	3	0	0	3	**3**	30	20	50	
VI	7MDEN321	Microprocessors and Microcontrollers	3	0	0	3	**3**	30	20	50	
VI	7MDEN371	MDM Lab	0	0	2	2	**1**	30	30	40	
Sem B	7MDEN421	Communication Engineering	3	0	0	3	**3**	30	20	50	
Sem B	7MDEN471	Mini Project	0	0	2	2	**1**	30	30	40	
							14				

MDM courses offered by the Department of Computer Science & Engineering to all UG Programs except UG CSE, UG IT and UG AI ML

Semester	Code	Course Name	L	T	P	Hr	Cr	MSE/LA1	ISE/LA2	ESE	OE
IV	7MDCS221	Data Structure and algorithms	3	0	0	3	**3**	30	20	50	
V	7MDCS301	Software Engineering and Database Essentials	3	0	0	3	**3**	30	20	50	
VI	Refer List	MDM Elective	3	0	0	3	**3**	30	20	50	
VI	Refer List	MDM Lab Elective	0	0	2	2	**1**	30	30	40	
Sem B	7MDCS421	Information Security	2	0	0	2	**2**	30	20	50	
Sem B	7MDCS471	Mini Project	0	0	4	4	**2**	30	30	40	
							14				

List of MDM electives

Code	Course Name
7MDCS321	Machine Learning in practice
7MDCS322	IoT
7MDCS323	Soft Computing
7MDCS324	RS and GIS

List of MDM Lab electives

Code	Course Name
7MDCS3371	Machine Learning Lab
7MDCS3372	IoT
7MDCS3373	Soft Computing
7MDCS3374	RS and GIS

MDM courses offered by the Department of Information and Technology to all UG Programs except UG IT , UG CSE and UG AI ML

Semester	Code	Course Name	L	T	P	Hr	Cr	MSE/LA1	ISE/LA2	ESE	OE
IV	7MDIT221	Data Structure and Algorithm	3	0	0	3	**3**	30	20	50	
V	7MDIT301	Operating System and Computer Networks	3	0	0	3	**3**	30	20	50	
VI	7MDIT321	Database Engineering and Web Technology	3	0	0	3	**3**	30	30	40	
VI	7MDIT371	Database Engineering and Web Technology Lab	0	0	2	2	**1**	30	30	40	
Sem B	7MDIT471	MDM Mini-Proejct	0	0	2	2	**1**	30	20	50	
Sem B	7MDIT421	Software Eningeering and Open Source Software Engineering	3	0	0	3	**3**	30	20	50	
							14				