

5th Semester	28	MCT-361 & MCT-361L	Hydraulics and Pneumatics							Yes	Yes			Yes						
	29	MCT-306	Entrepreneurship-II							Yes	Yes	Yes							Yes	
	30	MA-240 & MA-240L	Numerical Analysis								Yes									
	31	MCT-336 & MCT-336L	Embedded Systems-II								Yes				Yes					
	32	MCT-331 & MCT-331L	Modeling and Simulation				Yes					Yes								
	33	MCT-305	Probability and Statistics									Yes								
	34	QT-301	Translation of The Holy Quran-III				Yes												Yes	
6th Semester	35	MCT-xxx	Elective I																	
	36	MCT-333 & MCT-333L	Control Systems – I									Yes								
	37	MCT-335 & MCT-335L	Instrumentation and Measurements				Yes					Yes								
	38	MCT-352 & MCT-352L	Robotics									Yes								
	39	MCT-341 & MCT-341L	Data Sciences and Analytics									Yes								
	40	HU-221	Technical Writing & Presentation Skills				Yes				Yes									
	41	MCT-406	Entrepreneurship-III								Yes	Yes	Yes							Yes
7th Semester	42	MCT-403 & MCT-403L	Product Design									Yes								
	43	MCT-434 & MCT-434L	Industrial Automation									Yes								
	44	MCT-435	Control Systems – II							Yes	Yes									
	45	MCT-xxx	Elective II																	
	46	QT-401	Translation of The Holy Quran-IV				Yes												Yes	
	47	MCT-498	Final Project- I																	
	48	MCT-404	Professional Ethics				Yes	Yes			Yes		Yes						Yes	Yes
8th Semester		MCT-499	Final Project- II																	
	49	MCT-xxx	Elective III																	
	50	MGT-211	Principles of Management							Yes				Yes						
			Elective Subjects																	
	52	MCT-412 & MCT-412L	Condition Monitoring							Yes	Yes									
	53	MCT-415 & MCT-415L	Mechanical Vibrations				Yes					Yes								
	54	MCT-421 & MCT-421L	Digital Signal Processing									Yes								
	55	MCT-422 & MCT-422L	Power Electronics							Yes		Yes								
	56	MCT-432 & MCT-432L	Digital Control Systems							Yes	Yes									
	57	MCT-433 & MCT-433L	Estimation and Filtering							Yes	Yes									
	58	MCT-452 & MCT-452L	Intelligent Systems				Yes											Yes		
	59	MCT-453 & MCT-453L	Machine Vision									Yes								
	60	MCT-454 & MCT-454L	Mobile Robotics									Yes								
61	MCT-455 & MCT-455L	Wearable Robotics									Yes									

62	MCT-456 & MCT-456L	Internet of Things								Yes								
63	MCT-457 & MCT-457L	Biomedical Devices	Yes	Yes						Yes								
64	MCT-458 & MCT-458L	Human Centered Robotics							Yes	Yes								
65	MCT-459 & MCT-459L	Aerial Robotics								Yes								
66	MCT-461 & MCT-461L	Smart Electric Vehicles								Yes		Yes						
67	MCT-491 & MCT-491L	Special Topics in Mechatronics	Yes	Yes		Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes

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