

Name of the Programme: B. Tech. Mechatronics Engineering								Year of the Programme: Fourth Year					Semester : VII & VIII										
Sr. No.	Module / Subject Code	Name of the Module	Theory Hours per week	Practicals Hours per week	Tutorials Hours per week	Total no. of hours for the subject (In term)	Credit/s	Duration of Examination (Hrs)		Mode of Exam Written / OffLine/Online/Computer based/ Practical/Viva /Jury/ Presentation	Examination Scheme (Weightage)								Template Codes	GR applicable (Yes/No)	Remark		
								Term End Examination	Only ICA		Distribution of ICA Marks				TEE		Total						
											Test I	Test II	Term work *	Total Marks	Scaled to (Marks)	Marks (Question Paper)	Scaled to (Marks)	Scaled Marks (ICA+ TEE)				Weight age %	
Semester - VII																							
1	BTMA07001	Mechatronics System Design	3	2	0	75	4	3	--	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
2	BTMA07002	Industrial Engineering	3	0	2	75	4	3	--	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
3	BTMA07003	Project Phase I	0	8	0	120	4	--	Only ICA	--	--	100	100	100	--	--	100	100	7003	No			
4	Elective I (Choose any one)																						
	BTMA07004	Dynamic System Modeling and Analysis	3	0	2	75	4	3	--	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
	BTMA07005	Flexible Manufacturing Systems	3	0	2	75	4	3	--	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
	BTMA07006	Automobile Engineering	3	0	2	75	4	3	--	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
5	Elective II (Choose any one)																						
	BTMA07007	Digital Signal Processing	3	2	0	75	4	3	--	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
	BTMA07008	Microcontroller and Embedded Systems	3	2	0	75	4	3	--	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
	BTMA07009	Microelectromechanical Systems	3	2	0	75	4	3	--	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
Total			12	12	4	420	20	12	--	--	40	40	220	300	220	280	280	500	500				
Semester - VIII																							
1	BTMA08001	Industrial Robotics	3	2	0	75	4	3	--	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
2	BTMA08002	Product Design and Development	3	0	2	75	4	3	--	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
3	BTMA08003	Project Phase - II	0	8	0	120	4	--	Only ICA	--	--	100	100	100	--	--	100	100	7003	No			
4	Elective III (Choose any one)																						
	BTMA08004	Project Management	3	0	2	75	4	3	--	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
	BTMA08005	Additive Manufacturing	3	2	0	75	4	3	--	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
	BTMA08006	Reliability Engineering	3	0	2	75	4	3	--	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
5	Elective IV (Choose any one)																						
	BTMA08007	Virtual Instrumentation	3	2	0	75	4	3	--	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
	BTMA08008	Automotive Electronics	3	2	0	75	4	3	--	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
	BTMA08009	Artificial Intelligence	3	2	0	75	4	3	--	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
Total			12	12	4	420	20	12	--	--	40	40	220	300	220	280	280	500	500				

*Term Work = Viva / Presentations/ Journals/ assignments/ quizzes / MCQs/Business plans/Role plans etc.



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Date:
22.06.2020

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