

SVKM's NMIMS																								
School Name: Mukesh Patel School of Technology Management & Engineering																								
Teaching Scheme for Academic Year: 2019-20																								
(As approved in the Academic Council)																								
Name of the Programme: B. Tech. Mechatronics Engineering										Year of the Programme: Final Year										Semester: VII				
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	Credit /s	Credit/s types	Term End Examination	Only ICA	Mode of Exam Written / OffLine/Online/Computer based / Practical/Viva /Jury/ Presentation	Examination Scheme (Weightage)										Templa te Codes	GR applicable (Yes / No)	R e m a r k
												Distribution of ICA Marks					TEE		Total					
												Test I	Test II	Term work *	Total Marks	Scaled to (Marks)	Marks (Question Paper)	Scaled to (Marks)	Marks (ICA+ TEE)	Weightage %				
1	BTMA07001	Mechatronics System Design	3	2	0	5	4	full credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes		
2	BTMA07002	Industrial Engineering	3	0	2	5	4	full credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes		
3	BTMA07003	Project Phase I	0	8	0	8	4	full credit	3	Only ICA	Written	0	0	100	100	100	-	-	100	100	7003	No		
4		Elective I (Any one)																						
	Code	Subject																						
	BTMA07004	Dynamic System Modeling and Analysis	3	0	2	5	4	full credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes		
	BTMA07005	Flexible Manufacturing Systems	3	0	2	5	4	full credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes		
	BTMA07006	Automobile Engineering	3	0	2	5	4	full credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes		
5		Elective II (Any one)																						
	Code	Subject																						
	BTMA07007	Digital Signal Processing	3	2	0	5	4	full credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes		
	BTMA07008	Microcontroller and Embedded Systems	3	2	0	5	4	full credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes		
	BTMA07009	Microelectromechanical Systems	3	2	0	5	4	full credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes		
		Total	12	12	4	28	20		15	0	-	60	60	180	300	220	280	280	500	500				

*Term Work = Viva / Presentations/ Journals/ assignments/ quizzes / MCQs/Business plans/Role plans etc.
 NUE = Non University Examination (Examination conducted at school level)

Elective - I	
Code	Subject
BTMA07004	Dynamic System Modeling and Analysis
BTMA07005	Flexible Manufacturing Systems
BTMA07006	Automobile Engineering

Elective - II	
Code	Subject
BTMA07007	Digital Signal Processing
BTMA07008	Microcontroller and Embedded Systems
BTMA07009	Microelectromechanical Systems

Date: 17/4/19

Prof. Vinod Jain
 HOD, Mechatronics Department

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