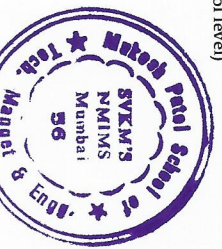


Sr. No.	Module / Subject Code	Name of the Module	Theory Hours per week	Practicals Hours per week	Tutorials Hours per week	Total no. of hours for the subject	Credits	Credit/s types	Duration of Examination (Hrs)		Mode of Exam	Examination Scheme (Weights)				Template Codes	GR applicable (Yes/No)	Remarks																												
									Term End Examination	Only ICA		Written / Offline/Online/Computer based / Practical/Viva /Jury/ Presentation	Distribution of ICA Marks						Marks Scaled to (Question Paper)	Marks Scaled to (ICAA+ TEE) (Marks)	Marks Weightage %																									
													Test I	Test II	Term work +							TEB	Total																							
Semester - III																																														
1	BTME03008	Mathematics - III	3	0	1	4	4	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes																								
2	BTME03009	Engineering Mechanics	3	2	0	5	4	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes																								
3	BTME03010	Materials Engineering	3	2	0	5	4	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes																								
4	BTME03011	Machine Drawing	2	4	0	6	4	full credit	3	-	Practical	10	10	30	50	50	100	50	100	100	7031	Yes	NUE																							
5	BTME03012	Engineering Thermodynamics	3	0	1	4	4	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes																								
6	BTME03013	Presentation and Communication Techniques	2	0	0	2	2	half credit	-	Only ICA	-	10	10	30	50	50	-	-	50	100	7032	No																								
7	BTME03014	Environmental Studies	2	0	0	2	0	non credit	-	Only ICA	-	10	10	30	50	50	-	-	50	100	7032	No																								
Total			18			8			2			28			22			15			70			70			210			350			350			500			250			600				
Semester - IV																																														
1	BTME04008	Numerical & Statistical Methods	3	0	1	4	4	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes																								
2	BTME04009	Strength of Materials	3	2	0	5	4	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes																								
3	BTME04010	Fluid Mechanics	3	2	0	5	4	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes																								
4	BTME04011	Thermal Engineering	3	2	0	5	4	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes																								
5	BTME04012	Manufacturing Processes - I	3	0	0	3	3	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes																								
6	BTME04013	Machine Shop - I	0	2	0	2	1	half credit	-	Only ICA	-	-	-	50	50	50	-	-	50	100	7032	No																								
7	BTME04014	Principles of Economics and Management	3	0	0	3	3	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes																								
Total			18			8			1			27			23			18			60			60			230			350			350			600			300			650				

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

Syllabus common for B.Tech (Mechanical) and MBA(Tech) Mechanical, can use common question paper.

NUE = Non University Examination (examination conducted at school level)



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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	Credits	Credit/Types	Duration of Examination (Hrs)		Mode of Exam	Examination Scheme (Weightage)						GR applicable (Yes/No)	Remarks					
									Term End Examination	Only ICA		Distribution of ICA Marks			TEE		Total			Template Codes				
												Written / Offline/Online/Computer based / Practical/Viva /Jury/ Presentation	Test I	Test II	Term work * Marks	Total Marks (Marks)					Marks (Question Paper)	Scaled to (Marks)	Marks Weightage %	
Semester - V																								
1	BTME05001	Thermal Engineering	3	0	2	5	4	full credit	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
2	BTME05002	Manufacturing Processes - II	3	0	0	3	3	full credit	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	#	
3	BTME05003	Design of Machine Elements - I	3	2	0	5	4	full credit	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
4	BTME05004	Mechatronics and Controls	3	2	0	5	4	full credit	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
5	BTME05005	Mechanical Measurement and Metrology	3	2	0	5	4	full credit	3	-	Written	10	10	30	50	30	70	70	100	100	7003	No		
6	BTME05006	Machine Shop - II	0	2	0	2	1	half credit	0	Only ICA	-	-	-	50	50	-	-	-	50	100	100	7008	Yes	
7	BTME05007	Industrial Engineering	3	2	0	5	4	full credit	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
8	BTME05008	Numerical Methods	3	0	2	5	4	full credit	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
Total			21	10	4	35	28		21			70	70	260	400	260	490	490	750	750				
Semester - VI																								
1	BTME06001	Heat Transfer	3	2	0	5	4	full credit	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	#	
2	BTME06002	I. C. Engines	3	2	0	5	4	full credit	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	#	
3	BTME06003	Design of Machine Elements - II	3	2	0	5	4	full credit	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
4	BTME06004	Vibration Engineering	3	2	0	5	4	full credit	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
5	BTME06005	Manufacturing Management	3	0	2	5	4	full credit	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	#	
6	BTME06006	Presentation and Communication Techniques	2	0	2	4	3	full credit	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
7	BTME06007	CAD/CAM/CIM	3	2	0	5	4	full credit	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
8	BTME06009	Elements of Biology	3	0	2	5	4	full credit	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
Total			23	10	6	39	31		24			80	80	240	400	240	560	560	800	800				

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Dr. Ravi Perkar



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SVKM'S NMIMS
SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING
 School Name: MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING
 Course Structure for Academic Year: 2019-20
 (As approved in the Academic Council)

Year: 2019-20

Semester: VI/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	Credits	Credit/Types	Term End Examination	Mode of Exam	Examination Scheme (Weightage)				GR applicable (Yes/No)	Remark							
											Duration of Examination (Hrs)		Distribution of ICA Marks				TEE	Total					
											Only ICA	Written / Offline/Online/Computer based / Practical/Viva /Jury/ Presentation	Test I	Test II					Term work * Marks	Total Scaled to (Marks)	Marks (Question Paper)	Scaled to (ICAE+ TEE)	Marks Weightage %
Semester - VII																							
1	BTME07001	Design of Mechanical Systems	3	2	0	5	4	full credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
2	BTME07002	Refrigeration and Air Conditioning	3	2	0	5	4	full credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
3	BTME07003	Finite Element Analysis	3	2	0	5	4	full credit	3	-	Written	15	15	20	50	30	70	70	100	100	7003	No	
4	BTME07004	Project Part - I	0	6	0	6	3	full credit	0	Only ICA	Viva & Presentation	15	15	20	50	30	70	70	100	100	7008	Yes	
5		Elective I	3	0	2	5	4	full credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
6	BTME07012	Elements of Biology	3	0	2	5	4	full credit	3	--	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
Total			15	12	4	31	23		15			60	75	150	300	200	350	350	550				
Semester - VIII																							
Total			12	10	2	24	18	0	12			60	60	180	300	220	280	280	500				

* 1 term Work = Viva / Presentations/ Journals/ assignments/ quizzes / MCQs/Business plans/Role plans etc.
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Elective I		
Code	Subject	Remark
BTME07005	Tribology	#
BTME07007	Advanced Turbomachinery	#
BTME07008	Automobile Engineering	#
BTME07009	Introduction to Nano-Technology	#
BTME07010	Project Management	
BTME07011	Renewable Energy Sources	#

Elective II		
Code	Subject	Remark
BTME08006	Dynamic System Modeling and Analysis	
BTME08002	Product Design and Development	
BTME08008	Reliability Engineering	#
BTME08009	Computational Fluid Dynamics	#
BTME08010	Robotics	
BTME08011	Operations Research	

Dr. Ravi Tekkar



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