



Shri Vaishnav Vidyapeeth Vishwavidyalaya
Master of Technology (Thermal and Design)
Choice Based Credit System (CBCS)

SEMESTER - I

S. No.	COURSE CODE	COURSE NAME	TEACHING SCHEME/WEEK			CREDITS	EXAMINATION SCHEME				TOTAL MARKS	
			L	T	P		THEORY		PRACTICAL			
							End Sem University Exam (60%)	Two Term Exam (20%)	Teachers Assessment* (20%)	End Sem University Exam (60%)		Teachers Assessment* (40%)
1	MTMAME101	Advanced Mathematics and Computational Analysis	3	1	0	4	60	20	20	0	0	100
2	MTME101	Advanced Computational Fluid Dynamics	2	0	2	3	60	20	20	30	20	150
3	MTME102	Advanced Machine Design	2	0	2	3	60	20	20	30	20	150
4		Elective-I	2	1	0	3	60	20	20	0	0	100
5		Elective-II	2	1	0	3	60	20	20	0	0	100
6	MTME106	Simulation Modeling Lab (FEA, FEM and CFD)	0	0	2	1	0	0	0	30	20	50
7	MTME108	Comprehensive Viva	0	0	2	1	0	0	0	30	20	50
			11	3	8	18	300	100	100	120	80	700

Legends: L - Lecture ; T - Tutorial/Teacher Guided Student Activity ; P - Practical ;

List of Elective-I	
1	MTME114 Energy Systems and Management
2	MTME124 Advanced Refrigeration and Air-Conditioning
3	MTME134 Advanced Thermodynamics and Combustion Engineering

List of Elective-II	
1	MTME115 Optimization Methods in Engineering
2	MTME125 Micro and Smart Systems
3	MTME135 Computer Applications in Design

*Teacher Assessment shall be based following components: Quiz/Assignment/Project/Participation in Class, given that no component shall exceed more than 10 marks.

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