



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	MTMA101	Advanced Mathematics	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	Advance 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	Advance 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.

P. C. Chandra

Chairperson

Board of Studies

Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore

An

Registrar

Shri Vaishnav Vidyapeeth Vishwavidyalaya
INDORE (M.P.)