



# Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Shri Vaishnav Institute of Technology and Science

Choice Based Credit System (CBCS) Scheme

M Tech. in Mechanical Engineering with Specialization in Thermal and Design

Semester: I

S. No.	Subject Code	Name of Subject	Course Code	Teaching Scheme / week			Examination Scheme					Total Marks	CREDITS
				L	T	P	Theory			Practical			
							End Sem University Exam	Two Term Exam	Teacher Assessment*	End Sem University Exam	Teachers Assessment*		
1	MTMA101	Advanced Mathematics		3	1	0	60	20	20	0	0	100	4
2	MTME101	Advanced Computational Fluid Dynamics		3	1	2	60	20	20	30	20	150	5
3	MTME102	Advanced Machine Design		3	1	2	60	20	20	30	20	150	5
4		Elective- I		3	1	0	60	20	20	0	0	100	4
5		Elective- II		3	1	0	60	20	20	0	0	100	4
6	MTME106	Simulation Modeling Lab (FEA, FEM & CFD)		0	0	4	0	0	0	30	20	50	2
7	MTME107	GD & Seminar		0	0	4	0	0	0	30	20	50	2
8	MTME108	Comprehensive Viva		0	0	8	0	0	0	50	50	100	4
<b>TOTAL</b>				<b>15</b>	<b>5</b>	<b>20</b>	<b>300</b>	<b>100</b>	<b>100</b>	<b>170</b>	<b>130</b>	<b>800</b>	<b>30</b>
<b>List of Elective I</b>								<b>List of Elective II</b>					
1	MTME114	Energy Systems and Management						1	MTME115	Optimization Methods in Engineering			
2	MTME124	Advanced Refrigeration and Air-Conditioning						2	MTME125	Micro and Smart Systems			
3	MTME134	Advance Thermodynamics & Combustion Engineering						3	MTME135	Computer Application 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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 Civil Engineering Department  
 S. V. I. T. S.,

**Chairperson**  
 Board of Studies  
 Shri Vaishnav Vidyapeeth Vishwavidyalaya  
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