



Walchand College of Engineering
(Government Aided Autonomous Institute)

Credit System for Third Year B. Tech. (Mechanical Engineering)

Applicable from AY 2025-26

Semester V

Sr. No.	Category	Course Code	Course Name	L	T	P	I	Hr	Cr	MSE/LA1	ISE/LA2	ESE	Ext
Professional Core (Theory)													
01	PCC	7ME301	Heat Transfer	3	0	0	0	3	3	30	20	50	
02	PCC	7ME302	Applied Thermodynamics	3	0	0	0	3	3	30	20	50	
03	PCC	7ME303	Engineering Metrology	2	0	0	0	2	2	30	20	50	
04	PCC	7ME304	Design of Machine Elements	2	1	0	0	3	3	30	20	50	
Professional Core (Lab)													
04	PCC	7ME351	Heat Transfer Lab	0	0	2	0	2	1	30	30	40	POE
05	PCC	7ME352	Applied Thermodynamics Lab	0	0	2	0	2	1	30	30	40	POE
06	PCC	7ME353	Engineering Metrology and Manufacturing Technology Lab	0	0	2	0	2	1	30	30	40	POE
Open Elective													
07	OE	Refer List	Open Elective -1	2	0	0	1	3	3	30	20	50	
Multi-Disciplinary Minor (MDM)													
08	MDM	Refer List	MDM	2	0	0	1	3	3	30	20	50	
Mandatory Courses													
09	VEC	7VE301	Environmental Science	2	0	0	0	2	2	30	20	50	
Total				16	1	6	2	25	22				


Shri. S. D. Jagtap
DAC/Member Secretary, BoS


Dr. S. U. Sapkal
HOD / Chairman, BoS


Dr. A.K. Kokane
Dean Academics



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Semester VI

Sr. No.	Category	Course Code	Course Name	L	T	P	I	Hr	Cr	MSE/LA1	ISE/LA2	ESE	Ext
Professional Core (Theory)													
01	PCC	7ME321	Machine Design	3	0	0	0	3	3	30	20	50	
02	PCC	7ME322	Mechatronics and Automation	3	0	0	0	3	3	30	20	50	
	PCC	7ME323	Computational Methods for Structures and Fluids	2	0	0	0	2	2	30	20	50	
Professional Core (Lab)													
03	PCC	7ME371	Mechatronics and Automation Lab	0	0	2	0	2	1	30	30	40	POE
04	PCC	7ME372	Computational Methods for Structures and Fluids Lab	0	0	2	0	2	1	30	30	40	POE
Professional Elective													
06	PEC	Refer List	Professional Elective -1	3	0	0	0	3	3	30	20	50	
Open Elective													
07	OE	Refer List	Open Elective -2	2	0	0	1	3	3	30	20	50	
Multi-Disciplinary Minor (MDM)													
08	MDM	Refer List	MDM	2	0	0	1	3	3	30	20	50	
Mandatory Courses													
09	EEM	7EE301	Engineering Economics & Financial Management	2	0	0	0	2	2	30	20	50	
10	VSEC	7VSME371	Mini-Project	0	0	2	0	2	1	30	30	40	OE
				17	0	6	2	25	22				

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Professional Elective Course List for T.Y. B.Tech. (Mechanical Engineering) Sem-VI AY 2025-26

Sr. No	Course Code	Course Name
Professional Elective-1		
01	7ME331	Computer Aided Design and Drafting
02	7ME332	Product Life cycle Management
03	7ME333	Computer Aided Manufacturing
04	7ME334	Additive Manufacturing
05	7ME335	Operations Research


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