



Walchand College of Engineering

(Government Aided Autonomous Institute)

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

Applicable from AY 2025-26 onwards

Semester V

Sr. No.	Category	Course Code	Course Name	L	T	P	Hr	Cr	MSE/LA1	ISE/LA2	ESE	Ext
Professional Core (Theory)												
01	PCC	7ME301	Heat Transfer	3	0	0	3	3	30	20	50	
02	PCC	7ME302	Applied Thermodynamics	3	0	0	3	3	30	20	50	
03	PCC	7ME303	Engineering Metrology	2	0	0	2	2	30	20	50	
04	PCC	7ME304	Design of Machine Elements	2	1	0	3	3	30	20	50	
Professional Core (Lab)												
04	PCC	7ME351	Heat Transfer Lab	0	0	2	2	1	30	30	40	POE
05	PCC	7ME352	Applied Thermodynamics Lab	0	0	2	2	1	30	30	40	POE
06	PCC	7ME353	Engineering Metrology and Manufacturing Technology Lab	0	0	2	2	1	30	30	40	POE
Open Elective												
07	OE	Refer List	Open Elective -1	3	0	0	3	3	30	20	50	
Multi-Disciplinary Minor (MDM)												
08	MDM	Refer List	MDM	3	0	0	3	3	30	20	50	
Mandatory Courses												
09	VEC	7VE301	Environmental Science	2	0	0	2	2	30	20	50	
			Total	18	1	6	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	Hr	Cr	MSE/ LA1	ISE/ LA2	ESE	Ext
Professional Core (Theory)												
01	PCC	7ME321	Machine Design	3	0	0	3	3	30	20	50	
02	PCC	7ME322	Mechatronics and Automation	3	0	0	3	3	30	20	50	
03	PCC	7ME323	Computational Methods for Structures and Fluids	2	0	0	2	2	30	20	50	
Professional Core (Lab)												
04	PCC	7ME371	Mechatronics and Automation Lab	0	0	2	2	1	30	30	40	POE
05	PCC	7ME372	Computational Methods for Structures and Fluids Lab	0	0	2	2	1	30	30	40	POE
Professional Elective												
06	PEC	Refer List	Professional Elective -1	3	0	0	3	3	30	20	50	
Open Elective												
07	OE	Refer List	Open Elective -2	3	0	0	3	3	30	20	50	
Multi-Disciplinary Minor (MDM)												
08	MDM	Refer List	MDM	3	0	0	3	3	30	20	50	
09	MDM	Refer List	MDM Lab	0	0	2	2	1	30	30	40	
Mandatory Courses												
10	EEM	7EE301	Engineering Economics & Financial Management	2	0	0	2	2	30	20	50	
11	VSEC	7VSME371	Mini-Project	0	0	2	2	1	30	30	40	OE
Total				19	0	8	27	23				

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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	CAD/CAM
02	7ME332	Product Life cycle Management
03	7ME333	Computer Aided Manufacturing
04	7ME334	Additive Manufacturing

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