

Walchand College of Engineering

(Government Aided Autonomous Institute)

Vishrambag, Sangli. 416 415



Credit System for Final Year B.Tech. (Mechanical Engineering) Sem.-VII and VIII

Applicable to AY 2025 -26

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Sr.No	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	MSE/LA 1	ISE/LA 2	ESE	Ext
Professional Core (Theory)													
01	PC	6ME401	Mechanical Vibrations	3	0	0	0	3	3	30	20	50	
02	PC	6ME402	Refrigeration and Air Conditioning	3	0	0	0	3	3	30	20	50	
03	PC	6ME403	Instrumentation and Control	3	1	0	0	4	4	30	20	50	
Professional Core (Lab)													
04	PC	6ME451	Mechanical Vibrations Lab	0	0	2	0	2	1	30	30	40	
05	PC	6ME452	Refrigeration and Air Conditioning Lab	0	0	2	0	2	1	30	30	40	
06	PC	6ME453	Techno-Socio Activity	0	0	0	2	2	2	30	30	40	
07	PR	6ME491	Project-I	0	0	6	0	6	3	30	30	40	
Professional Elective (Theory)													
08	PE	Refer List	Professional Elective-5	3	0	0	0	3	3	30	20	50	
Open Elective													
09	OE	Refer List	Open Elective-3	3	0	0	0	3	3	30	20	50	
AICTE Mandatory Course													
11	MC	6IC401	Constitution of India	2	0	0	0	2	0	30	20	50	
			Total	17	1	10	2	30	23				

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Dr. A.K. Kokane
Dean Academics

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Sr.No	Track	Course Code	Course Name
Professional Elective-5			
01	Production Engg.	6ME411	Industrial Engineering
02	Design Engg.	6ME412	Solid Mechanics
03	Thermal Engg.	6ME413	Cryogenics

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Professional Core (Theory)													
01	PC	6ME421	Automobile Engineering	3	1	0	0	3	4	30	20	50	
Professional Core (Lab)													
02	PR	6ME492	Project-II	0	0	12	0	12	6	30	30	40	
Professional Elective (Theory)													
03	PE	Refer List	Professional Elective-6	3	0	0	0	3	3	30	20	50	
04	PE	Refer List	Professional Elective-7	3	0	0	0	3	3	30	20	50	
05	PE	Refer List	Professional Elective-8	3	0	0	0	3	3	30	20	50	
Humanities													
06	HS	6HS403	Engineering Economics & Financial Management	2	0	0	0	2	2	30	20	50	
			Total	14	1	12	0	26	21				

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Sr.No	Track	Course Code	Course Name
Professional Elective-6			
01	Thermal Engg.	6ME431	Renewable Energy Engineering
02	Production Engg.	6ME432	Total Quality Management
03	Design Engg.	6ME433	Condition Monitoring of Machines and Signal Processing
Professional Elective-7			
01	Thermal Engg.	6ME434	Gas Dynamics and Jet Propulsion
02	Design Engg.	6ME435	Design of Transmission System
03	Production Engg.	6ME436	Computer Integrated Manufacturing
Professional Elective-8			
01	Thermal Engg.	6ME437	Combustion
02	Production Engg.	6ME438	Product Life Cycle Management
03	Design Engg.	6ME439	Mechanical System Design

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