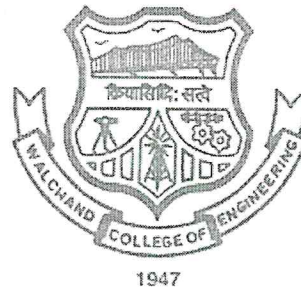


Walchand College of Engineering

(Government Aided Autonomous Institute)

Vishrambag, Sangli. 416 415



Credit System for

Second Year B.Tech. (Mechanical Engineering)

Sem.-III and IV

Applicable to AY 2024-25 and onwards

Walchand College of Engineering

(Government Aided Autonomous Institute)

Credit System for Second Year B.Tech. (Mechanical Engineering) Sem.-III and IV

Applicable to AY 2024-25 and onwards

Sr.No.	Category	Course Code	Course Name	L	T	P	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext
Professional Core (Theory)												
01	PC	7ME201	Thermodynamics	3	0	0	3	3	30	20	50	
02	PC	7ME202	Materials Science and Metallurgy	3	0	0	3	3	30	20	50	
03	PC	7ME203	Strength of Materials	3	0	0	3	3	30	20	50	
04	PC	7ME204	Manufacturing Processes - I	3	0	0	3	3	30	20	50	
Professional Core (Lab)												
05	PC	7ME251	Thermodynamics Lab	0	0	2	2	1	30	30	40	POE
06	PC	7ME252	Materials Science and Metallurgy Lab	0	0	2	2	1	30	30	40	POE
Mandatory Courses												
07	BSC	7MA201	Mathematics for Mechanical Engineers	3	0	0	3	3	30	20	50	
08	EEM	7EM201	Understanding Incubation and Entrepreneurship (NPTEL)	3	0	0	3	3	30	20	50	
09	VEC	7VE201	Value Education	2	0	0	2	2	30	20	50	
10	VSEC	7VSME251	Workshop Practice	0	0	2	2	1	30	30	40	
			Total	20	0	6	26	23				


Notes:

For Theory courses: There shall be MSE, ISE and ESE. The ESE is a separate head of passing.

For Lab courses: There shall be continuous assessment (LA1, LA2, ESE). The ESE is a separate head of passing. The POE/OE indicates external component for ESE.

For further details, refer to Academic and Examination rules and regulations.


Prof. R. M. Chanmanwar
DAC/Secretary, BoS


Dr. S. U. Sapkal
Head, Mechanical Engg. Dept./
Chairman, BoS


Dr. A. K. Kokane
Dean Academics

Walchand College of Engineering

(Government Aided Autonomous Institute)

Credit System for Second Year B.Tech. (Mechanical Engineering) Sem.-III and IV

Applicable to AY 2024-25 and onwards

Sr.No.	Category	Course Code	Course Name	L	T	P	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext
Professional Core (Theory)												
01	PC	7ME221	Fluid Mechanics and Fluid Machines	3	0	0	3	3	30	20	50	
02	PC	7ME222	Kinematics and Theory of Machines	3	0	0	3	3	30	20	50	
03	PC	7ME223	Manufacturing Processes - II	3	0	0	3	3	30	20	50	
Professional Core (Lab)												
04	PC	7ME271	Fluid Mechanics and Fluid Machines Lab	0	0	2	2	1	30	30	40	POE
05	PC	7ME272	Kinematics and Theory of Machines Lab	0	0	2	2	1	30	30	40	POE
Multi-Disciplinary Minor (MDM)												
06	MDM	7MDME201	Elements of Mechanical Engineering	3	0	0	3	3	30	20	50	
Mandatory Courses												
07	ESC	7ESME201	Numerical Methods	2	1	0	3	3	30	20	50	
08	AEC	7AE201	Employability Skills	2	0	0	2	2	30	20	50	
09	IKS	7IK201	Introduction to Ancient Indian Technology	2	0	0	2	2	30	20	50	
10	VSEC	7VS271	Computer Aided Design and Drafting Lab	0	0	2	2	1	30	30	40	POE
11	CEP/FP	7CE271	Field Study	0	0	2	2	1	30	30	40	
Total				18	1	6	25	23				


Notes:

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