

Walchand College of Engineering

(Government Aided Autonomous Institute)

Vishrambag, Sangli. 416415



**Credit System for
S.Y. B.Tech. (Mechanical Engineering)
Sem-III and IV**

2022-23



Walchand College of Engineering

(Government Aided Autonomous Institute)

Credit System for S.Y. B.Tech. (Mechanical Engineering) Sem-III AY 2022-23

Sr.No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext	
Professional Core (Theory)														
1	BS	6MA202	Probability and Statistics	2	0	0	0	2	2	30	20	50		
2	PC	6ME201	Thermodynamics	3	0	0	0	3	3	30	20	50		
3	ES	6ME202	Materials Engineering	4	0	0	0	4	4	30	20	50		
4	PC	6ME203	Strength of Materials	3	1	0	0	4	4	30	20	50		
5	PC	6ME204	Manufacturing Processes-I	4	0	0	0	4	4	30	20	50		
Professional Core (Lab)														
6	PC	6ME251	Thermodynamics Lab	0	0	2	0	2	1	30	30	40	POE	
7	ES	6ME252	Materials Engineering Lab	0	0	2	0	2	1	30	30	40	POE	
8	PC	6ME254	Manufacturing Processes-I Lab	0	0	2	0	2	1	30	30	40	OE	
AICTE Mandatory Courses														
9	MC	5IC201	Environmental Science	2	0	0	0	2	0	30	20	50		
Total				18	1	6	0	25	20					

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 Y in the PoE indicates external component for ESE.

Minimum two AICTE mandatory courses need to be completed for award of degree.

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



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Credit System for S.Y. B.Tech. (Mechanical Engineering) Sem-IV AY 2022-23

Sr.No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext
Professional Core (Theory)													
1	BS	6MA221	Applied Mathematics for Mechanical Engineers	3	0	0	0	3	3	30	20	50	
2	PC	6ME222	Fluid Mechanics and Fluid Machines	3	0	0	0	3	3	30	20	50	
3	PC	6ME223	Manufacturing Processes-II	3	0	0	0	3	3	30	20	50	
4	PC	6ME224	Kinematics and Theory of Machines	3	0	0	0	3	3	30	20	50	
5	PC	6ME225	Design of Machine Elements	3	0	0	0	3	3	30	20	50	
Professional Core (Lab)													
6	PC	6ME272	Fluid Mechanics and Fluid Machines Lab	0	0	2	0	2	1	30	30	40	POE
7	PC	6ME273	Manufacturing Processes-II Lab	0	0	2	0	2	1	30	30	40	POE
8	PC	6ME274	Kinematics and Theory of Machines Lab	0	0	2	0	2	1	30	30	40	POE
9	PC	6ME275	Machine Drawing and CAD Lab	0	0	2	0	2	1	30	30	40	POE
10	HS	6HS201	Presentation and Report Writing	0	0	2	0	2	1	30	30	40	
Total				15	0	10	0	25	20				

Notes:

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For Lab courses: There shall be continuous assessment (LA1, LA2, ESE). The ESE is a separate head of passing. The Y in the PoE indicates external component for ESE.

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