

Walchand College of Engineering

(Government Aided Autonomous Institute)

Vishrambag, Sangli. 416415



***** Platinum Jubilee Year *****

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

2021-22



Walchand College of Engineering, Sangli

(Government Aided Autonomous Institute)

Credit System for S.Y. B.Tech. (Mechanical Engineering) Sem-III AY 2021-22

Sr.No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	T1/LA1	T2/LA2	ESE
Professional Core (Theory)												
1	BS	5MA201	Probability and Statistics	2	0	0	0	2	2	20	20	60
2	PC	5ME201	Thermodynamics	3	0	0	0	3	3	20	20	60
3	ES	5ME202	Materials Engineering	4	0	0	0	4	4	20	20	60
4	PC	5ME203	Strength of Materials	3	1	0	0	4	4	20	20	60
5	PC	5ME204	Manufacturing Processes	4	0	0	0	4	4	20	20	60
Professional Core (Lab)												
6	PC	5ME251	Thermodynamics Lab	0	0	2	0	2	1	30	30	40
7	PC	5ME252	Materials Engineering Lab	0	0	2	0	2	1	30	30	40
8	PC	5ME256	Workshop-1	0	0	2	0	2	1	30	30	40
AICTE Mandatory Courses @												
9	MC	5IC201	Environmental Science	2	0	0	0	2	0	20	20	60
Value Added Professional Courses #												
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Value Added Life-Skill Courses #												
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Total				18	1	6	0	25	20			

Notes:

For Lab courses: There shall be only internal continuous assessment (LA1, LA2, ESE). LA1 and LA2 together shall be Lab ISE. The ESE is a separate head of passing.
 For Theory courses: There shall be two tests (T1 and T2) and one ESE. The ESE is a separate head of passing.

The Value Added Courses are Optional Courses. The mode of teaching (LTPI) is decided by the resource person.

The credits earned from these courses will be shown on grade card. For SGPA and CGPA calculation, these courses will be excluded.

The list of Value added courses will be updated from time to time. The courses may be on paid basis. These courses will be offered as per availability of faculty.

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

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



Walchand College of Engineering, Sangli

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Credit System for S.Y. B.Tech. (Mechanical Engineering) Sem-IV AY 2021-22

Sr.No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	T1/LA1	T2/LA2	ESE
Professional Core (Theory)												
1	BS	5ME221	Applied Mathematics for Mechanical Engineers	3	0	0	0	3	3	20	20	60
2	PC	5ME222	Fluid Mechanics and Fluid Machines	3	0	0	0	3	3	20	20	60
3	PC	5ME223	Metal Forming	3	0	0	0	3	3	20	20	60
4	PC	5ME224	Kinematics and Theory of Machines	3	0	0	0	3	3	20	20	60
5	ES	5ME225	Instrumentation and Control	3	1	0	0	4	4	20	20	60
Professional Core (Lab)												
6	PC	5ME272	Fluid Mechanics and Fluid Machines Lab	0	0	2	0	2	1	30	30	40
7	PC	5ME273	Metal Forming and Manufacturing Lab	0	0	2	0	2	1	30	30	40
8	PC	5ME274	Kinematics and Theory of Machines Lab	0	0	2	0	2	1	30	30	40
9	HS	5ME276	Presentation and Report Writing	0	0	0	1	1	1	30	30	40
Value Added Professional Courses #												
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Value Added Life-Skill Courses #												
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Total				15	1	6	1	23	20			

Notes:

For Lab courses: There shall be only internal continuous assessment (LA1, LA2, ESE). LA1 and LA2 together shall be Lab ISE. The ESE is a separate head of passing.

For Theory courses: There shall be two tests (T1 and T2) and one ESE. The ESE is a separate head of passing.

The Value Added Courses are Optional Courses. The mode of teaching (LTPI) is decided by the resource person.

The credits earned from these courses will be shown on grade card. For SGPA and CGPA calculation, these courses will be excluded.

The list of Value added courses will be updated from time to time. The courses may be on paid basis. These courses will be offered as per availability of faculty.

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