

Walchand College of Engineering

(Government Aided Autonomous Institute)

Vishrambag, Sangli-416415



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

Effective from AY 2025-26 onwards



Walchand College of Engineering, Sangli

(Government Aided Autonomous Institute)

Credit System for S. Y. M. Tech. (Manufacturing Engineering) Sem-III Effective from AY 2025-26 onwards

Sr. No.	Category	Course Code	Course Name	L	T	P	Hrs.	Cr	MSE/LA1	ISE/LA2	ESE	Remark
Professional Core												
1	PR	1MF691	Dissertation Phase-I	0	0	24	24	12	30	30	40	POE
2	PE	Refer List	Online/NPTEL/Swayam Course 1	3	0	0	3	3	0	25	75	
3	PE	Refer List	Online/NPTEL/Swayam Course 2	3	0	0	3	3	0	25	75	
Total				6	0	24	30	18				

Credit System for S. Y. M. Tech. (Manufacturing Engineering) Sem-IV Effective from AY 2025-26 onwards

Sr. No.	Category	Course Code	Course Name	L	T	P	Hrs.	Cr	MSE/LA1	ISE/LA2	ESE	Remark
Professional Core (Lab)												
1	PR	1MF692	Dissertation Phase-II	0	0	34	34	17	30	30	40	POE
2	PC	1MF645	Internship	0	0	4	4	2	0	0	100	
3	PC	1MF646	Techno-Socio Activity	0	0	2	2	1	0	0	100	
Total					0	40	40	20				

NPTEL/SWAYAM Course List

Sr. No.	Code	Course Name	Link
1	1MF611	Introduction to Composites	https://onlinecourses.nptel.ac.in
2	1MF612	Artificial Intelligence and Machine Learning in Materials Engineering	
3	1MF613	Mathematical Modeling of Manufacturing Processes	
4	1MF614	Design of Mechatronic Systems	
5	1MF615	Advanced Materials and Processes	
6	1MF616	Fundamentals of Artificial Intelligence	

Department Academic Coordinator

Head of Department

Dean Academics