

# **Walchand College of Engineering**

*(Government Aided Autonomous Institute)*

**Vishrambag, Sangli. 416 415**



**Credit System for**

**S. Y. B. Tech. (ARTIFICIAL INTELLEGENCE AND MACHINE LEARNING)**

**Sem-III and IV**

**Applicable to AY 2025-26 and onwards**

# Walchand College of Engineering

(Government Aided Autonomous Institute)

## Credit System for Second Year B. Tech. (Artificial Intelligence and Machine Learning ) Sem.-III and IV

Applicable to AY 2025-26 and onwards

Sr. No.	Category	Course Code	Course Name	L	T	P	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext	
<b>Professional Core (Theory)</b>													
01	PCC	1AI201	Searches & Logics in AI	3	0	0	3	3	30	20	50		
02	PCC	1AI202	Computer Architecture & Networking	3	0	0	3	3	30	20	50		
03	PCC	1AI203	Data Structures and Algorithms	3	0	0	3	3	30	20	50		
04	PCC	1AI204	Discrete Mathematics	3	0	0	3	3	30	20	50		
<b>Professional Core (Lab)</b>													
04	PCC	1AI251	Searches & Logics Lab	0	0	2	2	1	30	30	40	POE	
05	PCC	1AI252	Data Structures Lab	0	0	2	2	1	30	30	40	POE	
06	PCC	1AI253	Object Oriented Programming Lab	1	0	2	3	2	30	30	40	POE	
<b>Indian Knowledge System</b>													
07	VEC	7VE201	Value Education	2	0	0	2	2	30	30	40		
<b>Ability Enhancement Course</b>													
08	AEC	7EE201	Understanding Incubation and Entrepreneurship ( NPTEL)	3	0	0	3	3	30	20	50		
<b>Entrepreneurship/Economics</b>													
09	CEP/FP	7CEAI201	Project Management and Technical Writing	1	0	0	1	1	30	20	50		
Total				19	0	6	25	22					

*M.M. Patil*  
25/12/2026  
Dr.M.M.Patil  
DAC/Secretary, BoS

*V.N. Waghmare*  
Dr. V.N.Waghmare  
Head, Artificial Intelligence and Machine  
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<b>Professional Core (Theory)</b>													
01	PCC	1AI221	Decision Modeling using AI	3	0	0	0	3	3	30	20	50	
02	PCC	1AI222	Mathematical Foundation For AI	3	0	0	0	3	3	30	20	50	
03	PCC	1AI223	Operating System	3	0	0	0	3	3	30	20	50	
04	PCC	1AI224	Computational Algorithms	3	0	0	0	3	3	30	20	50	
<b>Professional Core (Lab)</b>													
05	PCC	1AI271	Python Programming Lab	1	0	0	2	3	2	30	30	40	
06	PCC	1AI272	Decision Modeling Lab	0	0	0	2	2	1	30	30	40	POE
<b>Vocational Skill Enhancement Course</b>													
07	VSEC	7VSAI245	Frontend Technologies	0	0	0	2	2	1	30	30	40	OE
<b>Entrepreneurship/Economics/</b>													
08	EEM	7AE201	Employability Skills	2	0	0	0	2	2	30	20	50	
<b>Value Education Course</b>													
09	VEC	Refer List	IKS Elective	2	0	0	0	2	2	30	20	50	
<b>Multi-Disciplinary Minor (MDM)</b>													
10	MDM	Refer List	MDM	2	1	0	0	3	3	30	20	50	
Total				19	1	0	6	26	23				

*Dr. M.M. Patil*  
25/2/2026  
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