Walchand College of Engineering

(*Government Aided Autonomous Institute*)

Vishrambag, Sangli. 416 415

Credit System for

S. Y. B. Tech. (Artificial Intelligence 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

Semester III

Sr. No.	Category	Course Code	Course Name	L	T	P	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext
Professional Core (Theory)												
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	
Professional Core (Lab)												
05	PCC	1AI251	Searches & Logics Lab	0	0	2	2	1	30	30	40	POE
06	PCC	1AI252	Data Structures Lab	0	0	2	2	1	30	30	40	POE
07	PCC	1AI253	Object Oriented Programming Lab	1	0	2	3	2	30	30	40	POE
Mandatory Courses												
08	IKS	Refer List	IKS Elective	2	0	0	2	2	30	20	50	
09	AEC	7EE201	Understanding Incubation and Entrepreneurship (NPTEL)	3	0	0	3	3	30	20	50	
10	CEP/FP	1CEAI201	Project Management and Technical Writing	1	0	0	1	1	30	20	50	
			Total	19	0	6	25	22				

Ms. A. B. Patil
DAC/Secretary, BoS

Dr. V. N. Waghmare
Head, Artificial Intelligence and Machine Learning.
Dept./ Chairman, BoS

Dr. A.K. Kokane
Dean Academics

Walchand College of Engineering

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Semester IV

Sr. No.	Category	Course Code	Course Name	L	T	P	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext
Professional Core (Theory)												
01	PCC	1AI221	Decision Modeling using AI	3	0	0	3	3	30	20	50	
02	PCC	1AI222	Mathematical Foundation For AI	3	0	0	3	3	30	20	50	
03	PCC	1AI223	Operating System	3	0	0	3	3	30	20	50	
04	PCC	1AI224	Computational Algorithms	3	0	0	3	3	30	20	50	
Professional Core (Lab)												
05	PCC	1AI271	Python Programming Lab	1	0	2	3	2	30	30	40	
06	PCC	1AI272	Decision Modeling Lab	0	0	2	2	1	30	30	40	POE
Multi-Disciplinary Minor (MDM)												
07	MDM	Refer List	MDM	3	0	0	3	3	30	20	50	
Mandatory Courses												
08	VSEC	1VSAI245	Frontend Technologies	0	0	2	2	1	30	30	40	OE
09	EEM	7AE201	Employability Skills	2	0	0	2	2	30	20	50	
10	VEC	7VE201	Value Education	2	0	0	2	2	30	20	50	
			Total	20	0	6	26	23				

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