Walchand College of Engineering

(Government Aided Autonomous Institute)

Vishrambag, Sangli. 416 415

Credit System for

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

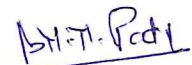### Semester III and IV

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)

Semester III

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
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	VEC	7VE201	Value Education	2	0	0	2	2	30	30	40	
09	AEC	7EE201	Understanding Incubation and Entrepreneurship (NPTEL)	3	0	0	3	3				
10	CEP/FP	1CEAI201	Project Management and Technical Writing	1	0	0	1	1	30	30	40	
			Total	19	0	6	25	22				

Dr. M. M. Patil
DAC/Secretary, BoS

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

Dr. A. K. Kokane
Dean Academics

Walchand College of Engineering
(Government Aided Autonomous Institute)

Credit System for Second Year B. Tech. (Artificial Intelligence and Machine Learning)

Semester 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
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	IKS	Refer List	IKS Elective	2	0	0	2	2	30	20	50	
			Total	20	0	6	26	23				

Dr. M. M. Patil
DAC/Secretary, BoS

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

Dr. A. K. Kokane
Dean Academics