Walchand College of Engineering, Sangli

(Government Aided Autonomous Institute)

Curriculum Structure and Credit System

Third Year B.Tech. (Artificial Intelligence & Machine Learning)

Applicable from A.Y. 2026–27 and Onwards

Semester – V

S. N.	Course Particulars			Course Delivery				Assessments					
	Category	Code	Name	L	T	I	P	H	Credits	ISE/ LA1	MSE/ LA2	ESE	Ext. OE/ POE
1	PCC	1AI301	Expert Systems	3				3	3	20	30	50	--
2	PCC	1AI302	Machine Learning	3				3	3	20	30	50	--
3	PCC	1AI303	Database Management Systems	3				3	3	20	30	50	--
4	PCC	1AI304	Data Science and Analytics	2				2	2	20	30	50	--
5	PCC	1AI351	Machine Learning Lab				2	2	1	30	30	40	POE
6	PCC	1AI352	Database Management System Lab				2	2	1	30	30	40	POE
7	PCC	1AI353	Data Science and Analytics Lab				2	2	1	30	30	40	--
8	VSEC	1VSAI345	Mini Project				6	6	3	30	30	40	OE
9	EEM	7EE301	Engineering Economics and Financial Management	2				2	2	20	30	50	--
10	MDM	Refer list	MDM	2		1		3	3	20	30	50	--
			Totals	**15**	**0**	**1**	**12**	**28**	**22**				

DAC/Secretary, BoS

Chairman, BoS

Dean Academics

9/7/26

Dean Academics
Walchand College of Engg.
Vishrambag, Sangli - 416 415

Curriculum Structure and Credit System

Third Year B.Tech. (Artificial Intelligence & Machine Learning)

Applicable from A.Y. 2026–27 and Onwards

Semester – VI

S. N.	Course Particulars			Course Delivery					Credits	Assessments			
	Category	Code	Name	L	T	I	P	H		ISE/ LA1	MSE/ LA2	ESE	Ext. OE/ POE
1	PCC	1AI321	Explainable AI	3				3	3	20	30	50	--
2	PCC	1AI322	Deep Learning	3				3	3	20	30	50	--
3	PCC	1AI323	Computer Vision and Image Processing	2				2	2	20	30	50	--
4	PCC	1AI371	Explainable AI Lab				2	2	1	30	30	40	--
5	PCC	1AI372	Deep Learning Lab				2	2	1	30	30	40	POE
6	PCC	1AI373	Computer Vision and Image Processing Lab				2	2	1	30	30	40	POE
7	PEC	Refer list	Program Elective - 1	3				3	3	20	30	50	--
8	VSEC	1VSAI346	Minor Project				12	12	6	30	30	40	OE
9	MDM	Refer list	MDM (Refer the MDM List)	2		1		3	3	20	30	50	--
			Totals	**13**	**0**	**1**	**18**	**32**	**23**				

Professional Elective - 1		
S. N.	Code	Course Name
1	1AI331	Optimisation for Machine Learning
2	1AI332	Cloud Native AI

DAC/Secretary, BoS

Chairman, BoS

Dean Academics

Dean Academics
Walchand College of Engg.
Vishrambag, Sangli - 416 415