Walchand College of Engineering

(Government Aided Autonomous Institute)

Vishrambag, Sangli. 416 415

Credit System for

T. Y. B. Tech. (Computer Science and Engineering)

Sem -V and VI

Applicable to AY 2025-26 and onwards

Walchand College of Engineering

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Credit System for Third Year B. Tech. (Computer Science and Engineering) Sem.-V and VI

Applicable to AY 2025-26 and onwards

Semester V

Sr. No.	Category	Course Code	Course Name	L	T	P	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext
Professional Core (Theory)												
01	PCC	7CS301	Compiler Design	3	0	0	3	**3**	30	20	50	
02	PCC	7CS302	Machine Learning	3	0	0	3	**3**	30	20	50	
03	PCC	7CS303	Computer Algorithms	3	0	0	3	**3**	30	20	50	
Professional Core (Lab)												
04	PCC	7CS345	Mini Project 1	0	0	4	4	**2**	30	30	40	POE
05	PCC	7CS351	Computer Algorithms Lab	0	0	2	2	**1**	30	30	40	POE
06	PCC	7CS352	Cutting Edge Technologies Lab	0	0	2	2	**1**	30	30	40	
07	PCC	7CS353	Machine Learning Lab	0	0	2	2	**1**	30	30	40	
Open Elective												
08	OE	Refer List	Open Elective - 1	3	0	0	3	3	30	20	50	
Multi-Disciplinary Minor (MDM)												
10	MDM	Refer List	MDM	3	0	0	3	**3**	30	20	50	
Mandatory Courses												
12	EEM	7EE301	Finance Management	2	0	0	2	2	30	20	50	
			Total	**17**	**0**	**10**	**27**	**22**				

Semester VI

Ms. N. L. Mudegol	Dr. A. R. Surve	Dr. A. K. Kokane
DAC CSE / Member Secretary, BoS	HOD CSE / Chairman, BoS	Dean Academics

Walchand College of Engineering

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Credit System for Third Year B. Tech. (Computer Science and Engineering) Sem.-V and VI

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Sr. No.	Category	Course Code	Course Name	L	T	P	Hr	Cr	MSE/LA1	ISE/LA2	ESE	Ext
Professional Core (Theory)												
01	PCC	7CS321	Cloud Computing	3	0	0	3	3	30	20	50	
02	PCC	7CS322	Cryptography & Network Security	2	0	0	2	2	30	20	50	
03	PCC	7CS323	Advanced Database System	3	0	0	3	3	30	20	50	
Professional Core (Lab)												
04	PCC	7CS371	Advanced Database System Lab	0	0	2	2	1	30	30	40	POE
05	PCC	7CS372	Cryptography & Network Security lab	0	0	2	2	1	30	30	40	
Professional Elective												
06	PEC	Refer List	Professional Elective -1	2	0	0	2	2	30	20	50	
07	PEC	Refer List	Professional Elective -1 Lab	0	0	2	2	1	30	30	40	
Open Elective												
08	OE	Refer List	Open Elective -2	3	0	0	3	3	30	20	50	
Multi-Disciplinary Minor (MDM)												
09	MDM	Refer List	MDM	3	0	2	5	4	30	20	50	
Mandatory Courses												
10	VEC	7VE301	Environmental Science	2	0	0	2	2	30	20	50	
11	VSEC	7VSCS346	Mini Project 2	0	0	2	2	1	30	30	40	POE
			Total	18	0	10	28	23				

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Elective Course List

Sr. No.	Category	Course Code	Course Name
Professional Elective -1			
01	PEC	7CS331	Remote Sensing & GIS
02	PEC	7CS332	Internet of Things
03	PEC	7CS333	Advanced Machine Learning
Professional Elective -1 Lab			
01	PEC	7CS371	Remote Sensing & GIS Lab
02	PEC	7CS372	Internet of Things Lab
03	PEC	7CS373	Advanced Machine Learning Lab

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