

Walchand College of Engineering

(Government Aided Autonomous Institute)

Vishrambag, Sangli. 416 415



Credit System for

T. Y. B. Tech. (Information Technology)

Sem-V and VI

Applicable to AY 2025-26 and onwards



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Semester V

Sr. No.	Category	Course Code	Course Name	L	T	P	Hrs	Cr	MSE/LA 1	ISE/LA2	ESE	Ext
Professional Core (Theory)												
01	PCC	7IT301	Database Engineering	3	0	0	3	3	30	20	50	
02	PCC	7IT302	Computer Algorithms	3	0	0	3	3	30	20	50	
03	PCC	7IT303	Cryptography & Network Security	3	0	0	3	3	30	20	50	
Professional Core (Lab)												
04	PCC	7IT351	Database Engineering Lab	1	0	2	3	2	30	30	40	POE
05	PCC	7IT352	IT Practices Lab 1: CA & CNS	0	0	2	2	1	30	30	40	
06	PCC	7IT353	Unix Operating System lab	0	0	2	2	1	30	30	40	POE
Open Elective												
07	OE	Refer List	Open Elective -1	3	0	0	3	3	30	20	50	
Multi-Disciplinary Minor (MDM)												
08	MDM	Refer List	MDM	3	0	0	3	3	30	20	50	
Mandatory Courses												
09	EEM	7EE301	Engineering Economics & Financial Management	2	0	0	2	2	30	20	50	
10	VSEC	7VSIT345	Mini-Project-2	0	0	2	2	1	30	30	40	OE
Total				18	0	8	26	22				

Mrs. B. S. Shetty
DAC/Secretary, BoS

Dr. R. R. Rathod
Head, Information Technology. Dept./
Chairman, BoS

Dr. A.K. Kokane
I/C Dean Academics



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Sr. No.	Category	Course Code	Course Name	L	T	P	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext
Professional Core (Theory)												
01	PCC	7IT321	Artificial Intelligence	3	0	0	3	3	30	20	50	
02	PCC	7IT322	Digital Image Processing	3	0	0	3	3	30	20	50	
Professional Core (Lab)												
03	PCC	7IT371	IT Practices Lab 2: AI & DIP	1	0	2	3	2	30	30	40	POE
04	PCC	7IT372	IT Practices Lab 3: Web Technolgy	0	0	2	2	1	30	30	40	POE
05	PCC	7IT373	Parallel Computing Lab	0	0	2	2	1	30	30	40	
Professional Elective												
06	PEC	Refer List	Professional Elective -1	3	0	0	3	3	30	20	50	
Open Elective												
07	OE	Refer List	Open Elective -1	3	0	0	3	3	30	20	50	
Multi-Disciplinary Minor (MDM)												
08	MDM	Refer List	MDM	3	0	2	3	3	30	20	50	
09	MDM	Refer List	MDM Lab	0	0	2	2	1	30	30	40	
Mandatory Courses												
10	VEC	7VE301	Environmental Science	2	0	0	2	2	30	20	50	
11	VSEC	7VSIT346	Mini-Project-3	0	0	2	2	1	30	30	40	OE
			Total	18	0	10	28	23				

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Professional Elective Course List for T.Y. B.Tech. (Information Technology) Sem-VI AY 2025-26

Sr. No	Course Code	Course Name
Professional Elective-1		
01	7IT331	Internet of Things and AI Applications
02	7IT332	Data Analytics
03	7IT333	Distributed Systems
04	7IT334	Augmented Reality and Virtual Reality
05	7IT335	Advance Database Engineering

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