

Walchand College of Engineering

(Government Aided Autonomous Institute)

Vishrambag, Sangli. 416 415



Credit System for

Final Year B.Tech. (Computer Science & Engineering)

Sem.-VII and VIII

Applicable to AY 2025 -26

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Sr.No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext
Professional Core (Theory)													
01	PC	6CS401	Cryptography and Network Security	3	0	0	0	3	3	30	20	50	
02	PC	6CS402	High Performance Computing	3	0	0	0	3	3	30	20	50	
03	PC	6CS403	Data Management, Protection and Governance	3	0	0	0	3	3	30	20	50	
Professional Core (Lab)													
03	PC	6CS451	Cryptography and Network Security Laboratory	0	0	2	0	2	1	30	30	40	
04	PC	6CS452	High Performance Computing Laboratory	0	0	2	0	2	1	30	30	40	
05	PR	6CS491	Project Work I	0	0	6	0	6	3	30	30	40	POE
06	PC	6CS453	Techno-Socio Activity	0	0	0	1	1	1	25	50	25	
07	PC	6CS454	Research Methodology	0	0	0	2	2	2	30	30	40	
Professional Elective(Theory)													
08	PE	Refer List	Professional Elective IV	3	0	0	0	3	3	30	20	50	
Open Elective													
09	OE	Refer List	Open Elective III	3	0	0	0	3	3	30	20	50	
Humanities													
10	HS	6HS403	Engineering Economics & Financial Management	2	0	0	0	2	2	30	20	50	
			Total	17	0	10	3	30	25				

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DAC/Secretary, BoS

Dr. A. R. Surve
Head, CSE . Dept . /
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Dr. A. K. Kokane
Dean Academics

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Elective Course List for Final Year B.Tech. Semester VII

Sr. No.	Track	Course Code	Course Name
Professional Elective-IV			
01	Computing	6CS411	Human Computer Interaction
02	Computing	6CS412	Data Mining
03	Computer and Network Security	6CS413	Software-Defined Network

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Professional Elective (Theory)													
01	PE	Refer List	Professional Elective V	3	0	0	0	3	3	30	20	50	
02	PE	Refer List	Professional Elective VI	3	0	0	0	3	3	30	20	50	
Professional Core (Lab)													
03	PR	6CS492	Project Work II	0	0	12	0	12	6	30	30	40	POE
AICTE Mandatory Course													
04	MC	6IC401	Constitution of India	2	0	0	0	2	0	30	20	50	
			Total	08	0	12	0	20	12				

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Elective Course List for Final Year B.Tech. Sem VIII

Sr.No.	Track	Course Code	Course Name
Professional Elective V			
01	Computer and Network Security	6CS431	Computer Forensics/ NPTEL Course
02	Image Processing	6CS432	Computer Vision/ NPTEL Course
03	Computing	6CS433	Search Engine Design and Optimization/ NPTEL Course
Professional Elective VI			
01	Computing	6CS434	Systems Testing and Quality Assurance Techniques/ NPTEL Course
02	Image Processing	6CS435	Augmented Reality Virtual Reality (ARVR) / NPTEL Course

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