

Walchand College of Engineering

(Government Aided Autonomous Institute)

Vishrambag, Sangli. 416 415



Credit System for

T. Y. B. Tech. (Electronics Engineering)

Sem-V and VI

Applicable to AY 2025-26 and onwards



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

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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	7EN301	Digital Signal Processing	3	0	0	3	3	30	20	50	
02	PCC	7EN302	Embedded System Design	3	0	0	3	3	30	20	50	
03	PCC	7EN303	CMOS Digital VLSI Design	3	0	0	3	3	30	20	50	
Professional Core (Lab)												
04	PCC	7EN351	Digital Signal Processing Lab	0	0	2	2	1	30	30	40	POE
05	PCC	7EN352	Embedded System Design Lab	0	0	2	2	1	30	30	40	POE
06	PCC	7EN353	CMOS Digital VLSI Design Lab	0	0	2	2	1	30	30	40	OE
Professional Elective (Theory)												
07	PEC	Refer list	Elective-1	3	0	0	3	3	30	20	50	
Open Elective												
08	OE	Refer list	Open Elective-1	3	0	0	3	3	30	20	50	
Multi-Disciplinary Minor (MDM)												
09	MDM	Refer List	MDM	3	0	0	3	3	30	20	50	
Mandatory Courses												
10	EEM	7EE301	Engineering Economics & Financial Management	2	0	0	2	2	30	20	50	
			Total	20	0	6	26	23				

Prof. S. K. Parchandekar
DAC/Secretary, BoS

Dr. S.D. Ruikar
Head, Electronics Engg. Dept./
Chairman, BoS

Dr. A.K. Kokane
Dean Academics



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Semester VI

Sr. No.	Category	Course Code	Course Name	L	T	P	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext
Professional Core (Theory)												
01	PCC	7EN321	Electromagnetic Engineering	3	0	0	3	3	30	20	50	
02	PCC	7EN322	Digital Communication	2	1	0	3	3	30	20	50	
03	PCC	7EN323	Digital System Architecture	3	0	0	3	3	30	20	50	
Professional Core (Lab)												
04	PCC	7EN372	Digital System Architecture Lab	0	0	2	2	1	30	30	40	POE
Professional Elective (Theory)												
05	PEC	Refer list	Elective-2	2	0	0	2	2	30	20	50	
Professional Elective (Lab)												
06	PEC	Refer list	Elective-2 Lab	0	0	2	2	1	30	30	40	POE
Open Elective												
07	OE	Refer list	Open Elective-2	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	CEP/FP	7CEEN345	Mini Project	0	0	2	2	1	30	30	40	OE
Total				18	1	8	27	23				

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Elective Course List for T.Y. B.Tech. (Electronics Engineering) Sem-V and VI AY 2025-26

Sr.No.	Track	Course Code	Course Name
Professional Elective-1			
1	Communication & Signal Processing	7EN311	Linear Algebra and Statistics
2	Communication & Signal Processing	7EN312	Control Systems

r.No.	Track	Course Code	Course Name
Professional Elective-2 (Theory)			
1	Communication & Signal Processing	7EN331	Digital Image Processing
2	Embedded System & VLSI	7EN332	Real Time Operating Systems
3	Embedded System & VLSI	7EN333	Internet of Things
Professional Elective-2 (Lab)			
4	Communication & Signal Processing	7EN373	Digital Image Processing Lab
5	Embedded System & VLSI	7EN374	Real Time Operating Systems Lab
6	Embedded System & VLSI	7EN375	Internet of Things Lab


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