Walchand College of Engineering

(Government Aided Autonomous Institute)

Vishrambag, Sangli. 416 415

1947

Credit System for

S. Y. B. Tech. Electrical Engineering (Working Professional)

Semester III and IV

Applicable to AY 2026-27 and onwards

Walchand College of Engineering

(Government Aided Autonomous Institute)

Credit System for Second Year B. Tech. Electrical Engineering (Working Professional) Sem.-III and IV

Applicable to AY 2026-27 and onwards

Semester III

Sr. No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext
Professional Core (Theory)													
01	PCC	W7EL201	DC Machines and Transformers	3	0	0	0	3	3	30	20	50	
02	PCC	W7EL202	Electrical Circuit Analysis	3	0	0	0	3	3	30	20	50	
03	PCC	W7EL203	Analog and Digital Circuits	3	0	0	0	3	3	30	20	50	
Professional Core (Lab)													
05	PCC	W7EL251	DC Machines and Transformers Lab	0	0	2	0	2	1	30	30	40	POE
06	PCC	W7EL252	Electrical Circuit Analysis Lab	0	0	2	0	2	1	30	30	40	POE
07	PCC	W7EL253	Analog and Digital Circuits Lab	0	0	2	0	2	1	30	30	40	POE
Mandatory Courses													
08	BSC	W7MA203	Mathematics for Electrical Engg.	3	0	0	0	3	3	30	20	50	
09	EEM	W7EE201	Understanding Incubation and Entrepreneurship (NPTEL)	3	0	0	0	3	3				
10	VEC	W7VE201	Value Education	2	0	0	0	2	2	30	30	40	
11	CEP/FP	W7CEEL251	Community Engagement Project / Field Project	0	0	2	0	2	1	30	30	40	
12	VSEC	W7VSEL251	Simulation Lab	1	0	2	0	3	2	30	30	40	
			Total	**18**	**0**	**10**	**0**	**28**	**23**				

Dr. Mrs. A. S. Karvekar
DAC/Member Secretary, BoS

Dr. V. P. Mohale
HOD / Chairman, BoS

7/10/26
Dr. A. K. Kokane
Dean Academics

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Walchand College of Engineering

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Credit System for Second Year B. Tech. Electrical Engineering (Working Professional) Sem.-Ill and IV

Applicable to AY 2026-27 and onwards

Semester IV

Sr. No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	MSE/LA 1	ISE/LA2	ESE	Ext
Professional Core (Theory)													
01	PCC	W7EL221	AC Machines	3	0	0	0	3	3	30	20	50	
02	PCC	W7EL222	Electrical Transmission and Distribution	3	0	0	0	3	3	30	20	50	
03	PCC	W7EL223	Power Electronics	3	0	0	0	3	3	30	20	50	
Professional Core (Lab)													
04	PCC	W7EL271	AC Machines Lab	0	0	2	0	2	1	30	30	40	POE
05	PCC	W7EL272	Power Electronics Lab	0	0	2	0	2	1	30	30	40	POE
Multi-Disciplinary Minor (MDM)													
06	MDM	Refer List	MDM	2	0	0	1	3	3	30	20	50	
Mandatory Courses													
07	ESC	W7ESEL201	Signals and Systems	3	0	0	0	3	3	30	20	50	
08	AEC	W7AE201	Employability skills	2	0	0	0	2	2	30	20	50	
09	IKS	Refer List	IKS Elective	2	0	0	0	2	2	30	20	50	
10	VSEC	W7VSEL271	Advanced Simulation Lab	1	0	2	0	3	2	30	30	40	
			Total	**19**	**0**	**6**	**1**	**26**	**23**				

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