

Walchand College of Engineering

(Government Aided Autonomous Institute)

Vishrambag, Sangli. 416 415



Credit System for

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

Sem-III and IV

Applicable to AY 2024-25 and onwards

Walchand College of Engineering

(Government Aided Autonomous Institute)

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

Applicable to AY 2024-25 and onwards

Sr. No.	Category	Course Code	Course Name	L	T	P	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext
Professional Core (Theory)												
01	PCC	7EL201	DC Machines and Transformers	3	0	0	3	3	30	20	50	
02	PCC	7EL202	Electrical Circuit Analysis	3	0	0	3	3	30	20	50	
03	PCC	7EL203	Analog and Digital Circuits	3	0	0	3	3	30	20	50	
Professional Core (Lab)												
05	PCC	7EL251	DC Machines and Transformers Lab	0	0	2	2	1	30	30	40	POE
06	PCC	7EL252	Electrical Circuit Analysis Lab	0	0	2	2	1	30	30	40	POE
07	PCC	7EL253	Analog and Digital Circuits Lab	0	0	2	2	1	30	30	40	POE
Mandatory Courses												
08	BSC	7MA203	Mathematics for Electrical Engg.	3	0	0	3	3	30	20	50	
09	EEM	7EE201	Understanding Incubation and Entrepreneurship (NPTEL)	3	0	0	3	3				
10	VEC	7VE201	Value Education	2	0	0	2	2	30	30	40	
11	CEP/FP	7CEEL251	Community Engagement Project / Field Project	0	0	2	2	1	30	30	40	
12	VSEC	7VSEL251	Simulation Lab	1	0	2	3	2	30	30	40	
Total				18	0	10	28	23				



Mr. N.V. Patel
DAC/Secretary, BoS



Dr. D.S. More
Head, Electrical Engg. Dept./
Chairman, BoS



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



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Professional Core (Theory)												
01	PCC	7EL221	AC Machines	3	0	0	3	3	30	20	50	
02	PCC	7EL222	Electrical Transmission and Distribution	3	0	0	3	3	30	20	50	
03	PCC	7EL223	Power Electronics	3	0	0	3	3	30	20	50	
Professional Core (Lab)												
04	PCC	7EL271	AC Machines Lab	0	0	2	2	1	30	30	40	POE
05	PCC	7EL272	Power Electronics Lab	0	0	2	2	1	30	30	40	POE
Multi-Disciplinary Minor (MDM)												
06	MDM	Refer List	MDM	3	0	0	3	3	30	20	50	
Mandatory Courses												
07	ESC	7ESEL201	Signals and Systems	3	0	0	3	3	30	20	50	
08	AEC	7AE201	Employability skills	2	0	0	2	2	30	20	50	
09	IKS	Refer List	IKS Elective	2	0	0	2	2	30	20	50	
10	VSEC	7VSEL271	Advanced Simulation Lab	1	0	2	3	2	30	30	40	
Total				20	0	6	26	23				



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