

# **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

### Semester III

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

Mr. A. B. Patil

DAC/Member Secretary, BoS

Dr. V. P. Mohale

HOD / Chairman, BoS

Dr. A.K. Kokane

Dean Academics

Deen Academics  
Walchand College of Engg.  
Vishran bag, Sangli - 416 415

# 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

### Semester IV

Sr. No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext	
<b>Professional Core (Theory)</b>														
01	PCC	7EL221	AC Machines	3	0	0	0	3	3	30	20	50		
02	PCC	7EL222	Electrical Transmission and Distribution	3	0	0	0	3	3	30	20	50		
03	PCC	7EL223	Power Electronics	3	0	0	0	3	3	30	20	50		
<b>Professional Core (Lab)</b>														
04	PCC	7EL271	AC Machines Lab	0	0	2	0	2	1	30	30	40	POE	
05	PCC	7EL272	Power Electronics Lab	0	0	2	0	2	1	30	30	40	POE	
<b>Multi-Disciplinary Minor (MDM)</b>														
06	MDM	Refer List	MDM	2	0	0	1	3	3	30	20	50		
<b>Mandatory Courses</b>														
07	ESC	7ESEL201	Signals and Systems	3	0	0	0	3	3	30	20	50		
08	AEC	7AE201	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	7VSEL271	Advanced Simulation Lab	1	0	2	0	3	2	30	30	40		
Total				19	0	6	1	26	23					

  
Mr. A. B. Patil

DAC/Member Secretary, BoS

  
Dr. V. P. Mohale

HOD / Chairman, BoS

  
Dr. A.K. Kokane

Dean Academics

  
Dean Academics  
Walchand College of Engg.  
Vishrambag, Sangli - 416 415