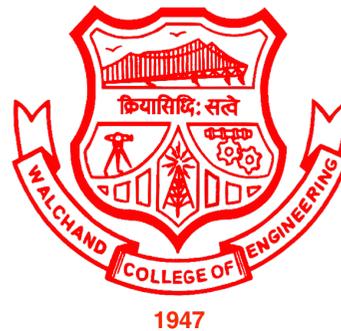


# Walchand College of Engineering

*(Government Aided Autonomous Institute)*

Vishrambag, Sangli. 416415



**\*\*\* Platinum Jubilee Year \*\*\***

**Credit System for  
S.Y. B.Tech. (Electrical Engineering)  
Sem-III and IV**

**2021-22**



# Walchand College of Engineering, Sangli

(Government Aided Autonomous Institute)

## Credit System for S.Y. B.Tech. (Electrical Engineering) Sem-III AY 2021-22

Sr.No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	T1/LA1	T2/LA2	ESE
<b>Professional Core (Theory)</b>												
1	BS	5MA201	Probability and Statistics	2	0	0	0	2	2	20	20	60
2	PC	5EL201	DC Machines and Transformers	3	0	0	0	3	3	20	20	60
3	ES	5EL202	Electrical Circuits	3	0	0	0	3	3	20	20	60
4	PC	5EL203	Analog and Digital Circuits	3	0	0	0	3	3	20	20	60
5	ES	5EL204	Electrical Measurement	3	0	0	0	3	3	20	20	60
6	PC	5EL205	Instrumentation	3	0	0	0	3	3	20	20	60
<b>Professional Core (Lab)</b>												
7	PC	5EL251	DC Machines and Transformers Lab	0	0	2	0	2	1	30	30	40
8	PC	5EL252	Electrical Circuit and Measurement Lab	0	0	2	0	2	1	30	30	40
9	PC	5EL253	Analog and Digital Circuits Lab	0	0	2	0	2	1	30	30	40
<b>AICTE Mandatory Courses @</b>												
10	MC	5IC201	Environment Science	2	0	0	0	2	0	20	20	60
<b>Value Added Professional Courses #</b>												
--												
<b>Value Added Life-Skill Courses #</b>												
--												
<b>Total</b>				<b>19</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>25</b>	<b>20</b>			



# Walchand College of Engineering, Sangli

(Government Aided Autonomous Institute)

## Notes:

For Lab courses: There shall be only internal continuous assessment (LA1, LA2, ESE). LA1 and LA2 together shall be Lab ISE. The ESE is a separate head of passing.

For Theory courses: There shall be two tests (T1 and T2) and one ESE. The ESE is a separate head of passing.

# The Value Added Courses are Optional Courses. The mode of teaching (LTPI) is decided by the resource person.

The credits earned from these courses will be shown on grade card. For SGPA and CGPA calculation, these courses will be excluded.

The list of Value added courses will be updated from time to time. The courses may be on paid basis. These courses will be offered as per availability of faculty.

@ Minimum two AICTE mandatory courses need to be completed for award of degree.

**For further details, refer to Academic and Examination rules and regulations.**



# Walchand College of Engineering, Sangli

(Government Aided Autonomous Institute)

## Credit System for S.Y. B.Tech. (Electrical Engineering) Sem-IV AY 2021-22

Sr.No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	T1/LA1	T2/LA2	ESE
<b>Professional Core (Theory)</b>												
1	BS	5EL221	Applied Mathematics for Electrical Engineers	3	0	0	0	3	3	20	20	60
2	PC	5EL222	AC Machines	3	0	0	0	3	3	20	20	60
3	PC	5EL223	Electrical Transmission and Distribution	3	0	0	0	3	3	20	20	60
4	PC	5EL224	Power Electronics	3	0	0	0	3	3	20	20	60
5	ES	5EL225	Signals and Systems	3	1	0	0	4	4	20	20	60
<b>Professional Core (Lab)</b>												
6	PC	5EL272	AC Machines Lab	0	0	2	0	2	1	30	30	40
7	PC	5EL273	Electrical Transmission and Distribution Lab	0	0	2	0	2	1	30	30	40
8	PC	5EL274	Power Electronics Lab	0	0	2	0	2	1	30	30	40
9	HS	5EL275	Presentation and Report Writing	0	0	0	1	1	1	30	30	40
<b>Value Added Professional Courses #</b>												
--												
<b>Value Added Life-Skill Courses #</b>												
--												
<b>Total</b>				<b>15</b>	<b>1</b>	<b>6</b>	<b>1</b>	<b>23</b>	<b>20</b>			

### Notes:

For Lab courses: There shall be only internal continuous assessment (LA1, LA2, ESE). LA1 and LA2 together shall be Lab ISE. The ESE is a separate head of passing.

For Theory courses: There shall be two tests (T1 and T2) and one ESE. The ESE is a separate head of passing.

# The Value Added Courses are Optional Courses. The mode of teaching (LTPI) is decided by the resource person.

The credits earned from these courses will be shown on grade card. For SGPA and CGPA calculation, these courses will be excluded.

The list of Value added courses will be updated from time to time. The courses may be on paid basis. These courses will be offered as per availability of faculty.

@ Minimum two AICTE mandatory courses need to be completed for award of degree.

**For further details, refer to Academic and Examination rules and regulations.**