Walchand College of Engineering

(Government Aided Autonomous Institute)

Vishrambag, Sangli. 416415

*** Platinum Jubilee Year ***

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

2021-22

Walchand College of Engineering, Sangli
(Government Aided Autonomous Institute)

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

Sr.No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	T1/LA1	T2/LA2	ESE
Professional Core (Theory)												
1	BS	5MA201	Probability and Statistics	2	0	0	0	2	2	20	20	60
2	PC	5EN201	Electronic Circuit Analysis and Design-I	3	0	0	0	3	3	20	20	60
3	ES	5EN202	Circuit Theory	3	0	0	0	3	3	20	20	60
4	PC	5EN203	Digital Electronics	3	0	0	0	3	3	20	20	60
5	PC	5EN204	Data Structures and Algorithms	3	0	0	0	3	3	20	20	60
6	BS	5EN205	Sensors and Actuators	2	0	0	0	2	2	20	20	60
Professional Core (Lab)												
7	PC	5EN251	Electronic Circuit Analysis and Design-I Lab	0	0	2	0	2	1	30	30	40
8	PC	5EN252	Simulation Tools	0	0	0	1	1	1	30	30	40
9	PC	5EN253	Digital Electronics Lab	0	0	2	0	2	1	30	30	40
10	PC	5EN254	Data Structures and Algorithm Lab	0	0	2	0	2	1	30	30	40
Value Added Professional Courses #												
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Value Added Life-Skill Courses #												
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			Total	16	0	6	1	23	20			

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.

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

Sr.No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	T1/LA1	T2/LA2	ESE
			Professional Core (Theory)									
1	PC	5EN221	Electronic Circuit Analysis and Design-II	3	0	0	0	3	3	20	20	60
2	ES	5EN222	Signals and Systems	3	1	0	0	4	4	20	20	60
3	PC	5EN223	Communication Engineering	3	0	0	0	3	3	20	20	60
4	PC	5EN224	Microcontroller Peripherals and Interfacing	3	0	0	0	3	3	20	20	60
5	PC	5EN225	Control Systems	3	0	0	0	3	3	20	20	60
			Professional Core (Lab)									
6	PC	5EN271	Electronic Circuit Analysis and Design-II Lab	0	0	2	0	2	1	30	30	40
7	PC	5EN273	Communication Engineering and Control Systems Lab	0	0	2	0	2	1	30	30	40
8	PC	5EN274	Microcontroller Peripherals and Interfacing Lab	0	0	2	0	2	1	30	30	40
9	HS	5EN276	Presentation and Report Writing	0	0	0	1	1	1	30	30	40
			AICTE Mandatory Courses @									
10	MC	5IC201	Environment Science	2	0	0	0	2	0	20	20	60
			Value Added Professional Courses #									
			--									
			Value Added Life-Skill Courses #									
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			Total	17	1	6	1	25	20			

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.

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