

# Walchand College of Engineering

*(Government Aided Autonomous Institute)*

Vishrambag, Sangli. 416415



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

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

**2021-22**



# Walchand College of Engineering, Sangli

(Government Aided Autonomous Institute)

## Credit System for S.Y. B.Tech. (Computer Science and 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	ES	5CS202	Discrete Mathematics	3	0	0	0	3	3	20	20	60
3	PC	5CS203	Data Structures	3	0	0	0	3	3	20	20	60
4	PC	5CS204	Data Communication	3	0	0	0	3	3	20	20	60
5	PC	5CS205	Computer Organization and Architecture	3	0	0	0	3	3	20	20	60
6	PC	5CS206	Software Engineering	3	0	0	0	3	3	20	20	60
<b>Professional Core (Lab)</b>												
7	PC	5CS251	Programming Lab 1	0	0	2	0	2	1	30	30	40
8	PC	5CS253	Data Structures Lab	0	0	2	0	2	1	30	30	40
9	PC	5CS255	Computer Organization and Architecture Lab	0	0	2	0	2	1	30	30	40
<b>Value Added Professional Courses #</b>												
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<b>Value Added Life-Skill Courses #</b>												
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<b>Total</b>				<b>17</b>	<b>0</b>	<b>6</b>	<b>0</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.**



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## Credit System for S.Y. B.Tech. (Computer Science and 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	5CS221	Applied Mathematics for Computer Science and Engineering	3	0	0	0	3	3	20	20	60
2	ES	5CS222	Formal Language and Automata Theory	3	1	0	0	4	4	20	20	60
3	PC	5CS223	Operating Systems	3	0	0	0	3	3	20	20	60
4	PC	5CS224	Database Engineering	3	0	0	0	3	3	20	20	60
5	PC	5CS225	Computer Network	3	0	0	0	3	3	20	20	60
<b>Professional Core (Lab)</b>												
6	PC	5CS274	Database Engineering Lab	0	0	2	0	2	1	30	30	40
7	PC	5CS275	Computer Network Lab	0	0	2	0	2	1	30	30	40
8	PC	5CS276	Programming Lab 2	0	0	2	0	2	1	30	30	40
9	HS	5CS277	Presentation and Report Writing	0	0	0	1	1	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>												
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<b>Value Added Life-Skill Courses #</b>												
--												
<b>Total</b>				<b>17</b>	<b>1</b>	<b>6</b>	<b>1</b>	<b>25</b>	<b>20</b>			



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