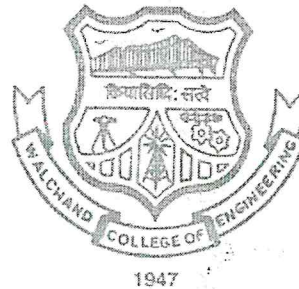


# Walchand College of Engineering

(Government Aided Autonomous Institute)

Vishrambag, Sangli. 416 415



**Credit System for**

**First Year B.Tech. (Robotics and Automation Engineering)**

**Sem.-I and II**

**Applicable to AY 2024-25 and onwards**

# Walchand College of Engineering


(Government Aided Autonomous Institute)


## Credit System for First Year B.Tech. (Robotics and Automation Engineering) Sem.-I and II Applicable to AY 2024-25 and onwards




Sr.No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	MSE/LA1	ISE/LA2	ESE
<b>Professional Core (Theory)</b>												
01	BS	7MA101	Engineering Mathematics-I	3	1	0	0	4	4	30	20	50
02	BS	7CH101	Engineering Chemistry	3	0	0	0	3	3	30	20	50
03	ES	7ME107	Engineering Graphics	2	0	0	0	2	2	30	20	50
04	ES	7EE106	Electrical & Electronics Engineering	3	0	0	0	3	3	30	20	50
05	PC	7RA101	Elements of Robotics and Automation	3	0	0	0	3	3	30	20	50
<b>Professional Core (Lab)</b>												
06	ES	7CS106	Computer Programming	1	0	2	0	3	2	30	30	40
07	ES	7CH155	Engineering Chemistry Lab	0	0	2	0	2	1	30	30	40
08	ES	7ME157	Engineering Graphics Lab	0	0	2	0	2	1	30	30	40
09	ES	7EE156	Electrical & Electronics Engineering Lab	0	0	2	0	2	1	30	30	40
10	PC	7RA151	Elements of Robotics and Automation Lab	0	0	2	0	2	1	30	30	40
11	ES	7VS152	Engineering Skills-II	0	0	2	0	2	1	30	30	40
Total				15	1	12	0	28	22			

### Notes:

- For Theory courses: There shall be MSE, ISE and ESE. Theory-ESE is a separate head of passing.
- For Lab courses: There shall be continuous assessment (LA1, LA2, ESE). Lab-ESE is a separate head of passing.
- For Lab Courses, (LA1+LA2) should be  $\geq 40\%$  to appear for Lab ESE.
- For further details, refer to Academic and Examination rules and regulations.

  
Prof. R. M. Chanmanwar  
DAC/Secretary, BoS

  
Dr. S. U. Sapkal  
Head, Mechanical Engg. Dept./  
Chairman, BoS

  
Dr. A.K. Kokane  
Dean Academics  
  


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## Credit System for First Year B.Tech. (Robotics and Automation Engineering) Sem.-I and II Applicable to AY 2024-25 and onwards


Sr.No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	MSE/LA1	ISE/LA2	ESE
<b>Professional Core (Theory)</b>												
01	BS	7MA102	Engineering Mathematics-II	3	1	0	0	4	4	30	20	50
02	BS	7PH101	Engineering Physics	3	0	0	0	3	3	30	20	50
03	ES	7AM101	Engineering Mechanics	3	0	0	0	3	3	30	20	50
04	ES	7CV106	Basic Civil Engineering	2	0	0	0	2	2	30	20	50
05	PC	7RA102	Measurement and Metrology	3	0	0	0	3	3	30	20	50
<b>Professional Core (Lab)</b>												
06	ES	7HS101	Communication & Generic Skills	1	0	2	0	3	2	30	30	40
07	ES	7PH155	Engineering Physics Lab	0	0	2	0	2	1	30	30	40
08	ES	7AM155	Engineering Mechanics Lab	0	0	2	0	2	1	30	30	40
09	ES	7CV156	Basic Civil Engineering Lab	0	0	2	0	2	1	30	30	40
10	PC	7RA152	Measurement and Metrology Lab	0	0	2	0	2	1	30	30	40
11	ES	7VS151	Engineering Skills-I	0	0	2	0	2	1	30	30	40
Total				<b>15</b>	<b>1</b>	<b>12</b>	<b>0</b>	<b>28</b>	<b>22</b>			

**Notes:**

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