

# Amrutvahini College of Engineering Sangamner

## Department of Automation & Robotics and Production Engineering

### List of Courses that include experiential learning for year 2023-24

Sr. No.	Class	Course	Course Code
1.	SE (A&R)	Solid Mechanics	202041
2.		Solid Modeling and Drafting	202042
3.		Engineering Materials and Metallurgy	202044
4.		Electrical Technology	202521
5.		Industrial Electronics	202522
6.		Geometric Dimensioning and Tolerancing Lab	202045
7.		Kinematics of Machinery	202047
8.		Fluid & Thermal Engineering	202523
9.		Principles of Robotics	202524
10.		Machine Shop	202051
11.		Project Based Learning - II	202052
12.	TE (A&R)	Design of Robot Elements	302521
13.		Robot Kinematics and Dynamics	302522
14.		Computer Aided Engineering and Manufacturing	302523
15.		Signal Processing and Conditioning	302524
16.		Robot Programming Laboratory	302526
17.		Skill Development	302047
18.		Sensors and Vision Systems in Robots	302527
19.		Artificial Intelligence in Robots	302528
20.		Modelling and Simulation	302529
21.		Metrology and Quality Control in Automation	302531
22.		Computer Aided Digital Manufacturing Laboratory	302532
23.		Internship/Mini Project	302055
24.	BE (Prod)	Automation and Control Engineering Lab	411081(B)
25.		Operations Research Lab	411082(B)
26.		Elective III Lab	411083(B)
27.		Elective IV Lab	411084(B)
28.		Project stage 1	411086
29.		Computer Integrated Design and Manufacturing Lab	411088(B)
30.		Industrial robotics Lab	411089(B)
31.	Project stage 2	411092	

**Sign and Seal of H.O.D.**

**Head of Dept.**

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