



SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON

DEPARTMENT OF MECHANICAL ENGINEERING

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COURSE OUTCOMES OF ALL COURSES OF SEVENTHW SEMESTER

BE MECHANICAL ENGINEERING

### **7ME01 Mechatronics**

After successfully completing the course, students will be able to:

- 1 Identification of key elements of mechatronics system and its representation in terms of block diagram
- 2 Demonstrating the concept of signal processing and use of interfacing systems such as ADC,DAC, digital I/O
- 3 Design logic networks.
- 4 Design simple pneumatic and hydraulic circuits.

### **7ME02 Productivity Techniques**

After successfully completing the course, students will be able to:

- 1 Apply project selection methods to evaluate the feasibility of projects.
- 2 Use appropriate project management practices, tools, and methodologies.
- 3 Define, analyze, refine, and document project requirements, assumptions, and constraints.
- 4 Analyze and refine project time and cost estimates to define project baseline, schedule and budget.
- 5 Organize and manage critical resources for effective project implementation
- 6 Identify, analyze, quantify and mitigate risks in implementing project

### **7ME03 Industrial Management & Costing**

After successfully completing the course, students will be able to:

- 1 To apply the concepts of Management and Finance for industry.
- 2 To apply the process of Marketing ,promotions and sales to serve the demands of society.
- 3 To analyze the concepts of estimation, costing and balance sheet for the industry.
- 4 To plan for managerial and financial activities for the industry.

### **7ME04 Energy Conversion-II**

After successfully completing the course, students will be able to:

- 1 Evaluate power producing and power consuming devices.
- 2 Solve numerical based on Compressor, refrigeration cycle and gas turbine.
- 3 Select different types of nuclear reactor.
- 4 Identify various renewable energy sources for power generations.

### **7ME05 Automobile Engineering**

After successfully completing the course, students will be able to:

- 1 Compare the different types of automobiles and their working
- 2 Analyze the concepts of fuels supply system and cooling system in automobile
- 3 Identify the need of different electrical systems in automobile
- 4 Explain the functioning of Transmission, Suspension, lubrication and control systems in Automobile