SHRI SIDDHESHWAR WOMEN'S POLYTECHNIC, SOLAPUR

INFORMATION TECHNOLOGY DEPARTMENT

VISION

To impart differentiated technical education of Information Technology field that endure women engineers who influence the development of humanity in general and welfare of society.

MISSION

1. To promote excellence in all the areas of Information Technology keeping speedy growth with the emerging technologies.
2. To impart state-of-the-art of technical education to design, develop and test software systems.
3. To build the spirit of confidence, team work and professionalism among the students.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

1. **PEO 1**:

   Provide socially responsible, environment friendly solutions to Information Technology related broad-based problems adapting professional ethics.

2. **PEO 2:**

   Adapt state-of-the-art Information Technology broad-based techniques to work in multi-disciplinary work environments.

3. **PEO 3**:

   Solve broad-based problems individually and as a team member communicating effectively in the world of Information Technology.

PROGRAMME OUTCOMES (POs)

PO 1. Basic and Discipline Specific Knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

PO 2. Problem Analysis: Identify and analyze well-defined engineering problems using codified standard methods.

PO 3. Design/Development of Solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

PO 4. Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

PO 5. Engineering Practices for Society, Sustainability and Environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.

PO 6. Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

PO 7. Life-long Learning: Ability to analyze individual needs and engage in updating in the context of technological changes.

Program Specific Outcomes (PSOs)

PSO 1. Modern Information Technology: Use latest technologies for operation and application of information.

PSO 2. Information Technology Process: Maintain the information processes using modern information and communication technologies.