



Shri Siddheshwar Devasthan Trust's

SHRI SIDDHESHWAR WOMEN'S POLYTECHNIC, SOLAPUR.

Computer Engineering

VISION

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

MISSION

1. To promote excellence in all areas of Computer Engineering keeping speedy growth with 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 (PEO's)

1. Provide socially responsible, environment friendly solutions to Computer Engineering related broad-based problems adapting professional ethics.
2. Adapt state-of-the-art Computer Engineering broad- based techniques to work in multi-disciplinary work environments.
3. Solve broad-based problems individually and as a team member communicating effectively in the world of work.

PROGRAMME OUTCOMES (PO's)

- 1. Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
- 2. Problem analysis:** Identify and analyse well-defined engineering problems using codified standard methods.
- 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.
- 4. Engineering Tools, Experimentation and Testing:** Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
- 5. Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices.
- 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.
- 7. Life-long learning:** Ability to analyses individual needs and engage in updating in the context of technological changes.

Program Specific Outcomes (PSOs)

PSO1 Identify & Analyze Computer Problems.

PSO2 Find solution by using appropriate hardware and software tools to develop programs.

PSO3 Provide effective & efficient real time solutions using acquired knowledge in various domains.

PSO4 Test debug and troubleshoot to develop a solution to problem