



Shri Siddheshwar Devasthan Trust's

SHRI SIDDHESHWAR WOMEN'S POLYTECHNIC, SOLAPUR.

Civil Engineering

VISION

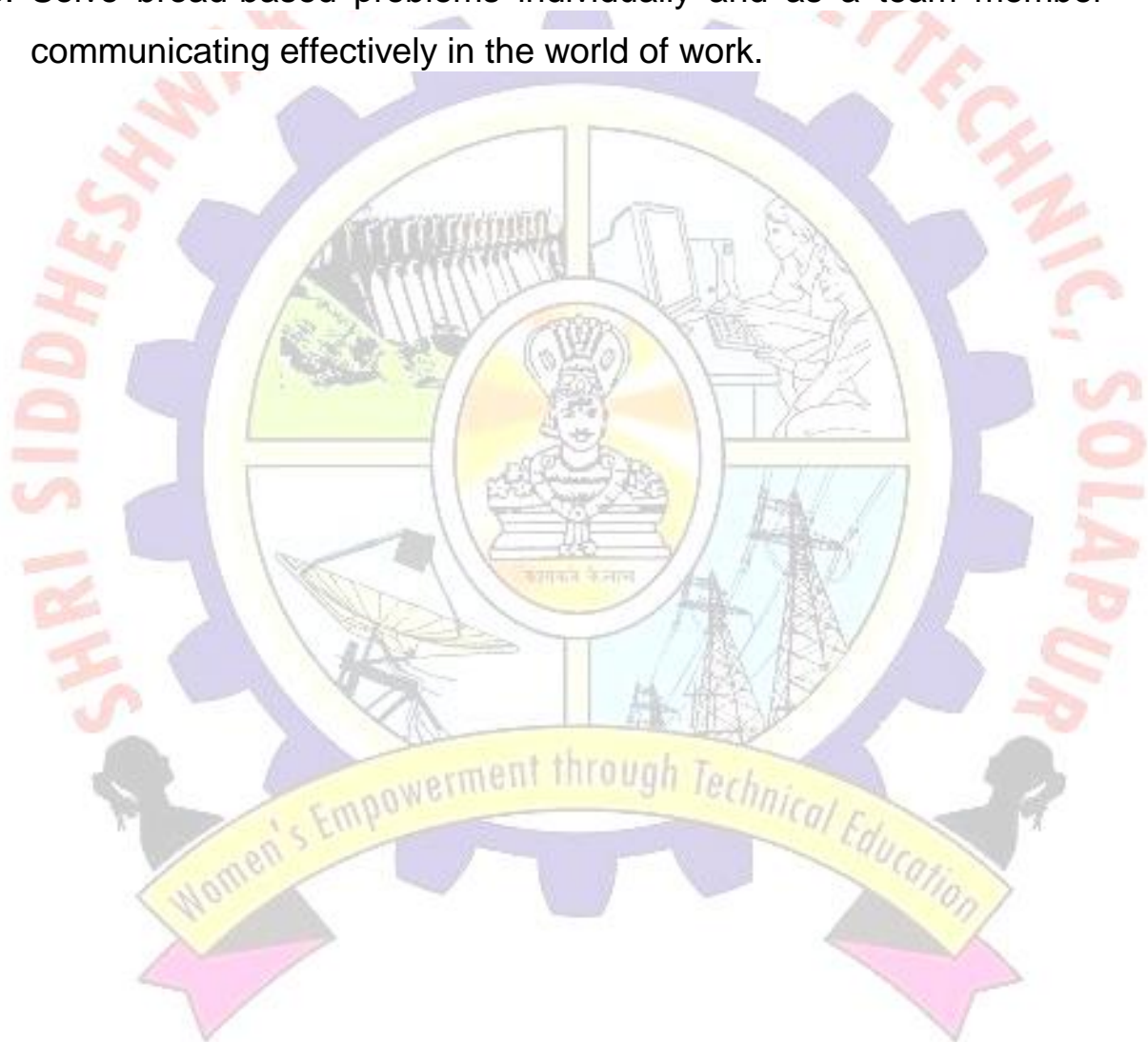
Transform young women into technically competent, socially committed and ethically upright individuals who actively involve in nation building and development of human existence.

MISSION

1. To produce the outstanding civil engineers through dynamic teaching and learning process.
2. To inculcate the professionalism of civil engineers through creativity and innovation.
3. To produce entrepreneur skills by providing co-curricular & extracurricular activities.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

1. Provide socially responsible, environment friendly solutions to civil engineering related broad-based problems adapting professional ethics.
2. Adapt state-of-the-art civil engineering broad-based technologies to work in multidisciplinary 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 analyse individual needs and engage in updating in the context of technological changes.

Program Specific Outcomes (PSOs)

- 1. Construction Planning and Designing:** Perform optimal civil engineering construction, planning and designing activities of desired quality at optimal cost.
- 2. Construction Execution and Maintenance:** Execute civil engineering construction and maintenance using relevant materials and equipment.

