



Shanti Education Society's

ISO 9001:2008 Certified Institution (LMS-DAC)

**A. G. PATIL INSTITUTE OF TECHNOLOGY SOLAPUR**

Approved by AICTE, New Delhi, Affiliated to Solapur University, Recognized by Government of Maharashtra, DTE, Mumbai.

DTE CODE : EN 6308

## **DEPARTMENT OF CIVIL ENGINEERING**

### **PROGRAM EDUCATIONAL OBJECTIVES**

<b>PEO1</b>	Graduates will be prepared with strong engineering fundamentals leading to excellent performance in professional career in planning, designing, construction, operation & maintenance of the built environment and global infrastructure that meet the societal needs.
<b>PEO2</b>	Graduates will exhibit strong technical ability to create & synthesize data using relevant tools and concepts, for providing sustainable solutions to civil engineering problems and projects.
<b>PEO3</b>	Graduates will exhibit excellent interpersonal communication and resource management skills as leaders in the civil engineering profession while working as a part of multidisciplinary team
<b>PEO4</b>	Graduates will be prepared with sound foundation in mathematics, science and in Civil Engineering to prepare them for higher studies and research.
<b>PEO5</b>	Graduates will possess a breadth of knowledge and engage themselves in the life-long learning to meet challenges of globalisation.
<b>PEO6</b>	Graduates will have a sense of responsibility, respect towards society & its heritage and will follow the professional ethics.

## PROGRAM OUTCOMES

<b>PO1</b>	Preparation: To prepare students to excel in various educational programmes or to succeed in industry / technical profession through further education/training.
<b>PO2</b>	Core Competence: To provide students with a solid foundation in mathematical, scientific fundamentals required to solve Structural problems.
<b>PO3</b>	Breadth: To train students with a breadth of scientific knowledge to comprehend, analyze, design & create novel products and solutions for real life problems.
<b>PO4</b>	Professionalism: To inculcate in students professional/ethical attitude, effective team work skills, multidisciplinary approach and to relate engineering issues to a broader context.
<b>PO5</b>	Learning Environment: To provide students with academic environment of excellence, leadership, ethical guidelines and life-long learning needed for a long / productive career.
<b>PO6</b>	Taking pride in their profession and have commitment to highest standards of ethical practices and related technical disciplines.
<b>PO7</b>	Able to design structural system that is safe, economical and efficient.
<b>PO8</b>	Capable of using modern tools efficiently in all aspects of professional practices.
<b>PO9</b>	Dealing successfully with real life civil engineering problems and achieve practical solutions based on a sound science and engineering knowledge.
<b>PO10</b>	Shall be engage in continuous research, development and exchange of knowledge for professional development.
<b>PO11</b>	Be honest in their control and performing their duties and promote effective use of resources through open, honest and impartial services to the public.
<b>PO12</b>	Act in such a manner which will uphold the honour, integrity, or dignity of the engineering profession, and avoid knowingly engaging in business or professional practices of a fraudulent, dishonest or unethical nature.

<b>PO13</b>	Recognize that the lives, safety, health and welfare of the general public are dependent upon engineering, decision and practices.
<b>PO14</b>	Continue their professional development throughout their careers and provide opportunities for the professional development.

**PROGRAM-SPECIFIC OUTCOMES (PSOS)**

<b>PSO1</b>	Make the students employable in engineering industries.
<b>PSO2</b>	Motivate the students for higher studies and research.
<b>PSO3</b>	Motivate the students for various competitive examinations.