

WALCHAND INSTITUTE OF TECHNOLOGY, SOLAPUR
MECHANICAL ENGINEERING DEPARTMENT

Vision

We see ourselves as a unique Programme leading to the fulfillment of the needs and expectations of the society by grooming Mechanical Engineering Graduates, who would be able to deliver working solutions under challenging and changing situations.

Mission

To achieve our goals by adopting outcome based education by continually tuning and developing our curriculum. To make our input and delivery system in a sustainable manner, with the needs and the requirements of the Society

Program Educational Objectives (PEOs)

1. To prepare the students with engineering fundamentals which leads to excellent performance at university examinations & successful careers that meet the needs of Indian & multinational organizations.
2. To develop the students with analytical skills & technical abilities required to solve engineering problems & also pursue higher education.
3. To train the students with relevant scientific & engineering disciplines so as to comprehend, synthesize, design & offer solutions for the real life situations.
4. To inculcate among the students professional & ethical attitude, effective communication & team working skills with social orientation.
5. To promote awareness related to life-long learning, entrepreneurship & leadership, so as to succeed in professional career.
6. To make the students adaptable to changing environment through sensing & application of appropriate methodology for value addition so as to support socio-economic growth.

Program Outcomes (POs)

1. Graduates will attain the ability to demonstrate basic knowledge in mathematics, science and engineering.
2. Graduates will demonstrate the ability to identify, formulate & solve engineering problems.
3. Graduates will demonstrate the ability to design and conduct experiments as well as interpret, analyze data and report results.
4. Graduates will demonstrate an ability to design a mechanical system or a thermal system or a process with realistic constraints.
5. Graduates will demonstrate the skills to use engineering tools, & equipments to analyze & solve engineering problems.
6. Graduates will demonstrate the ability to visualize and work on engineering and science laboratory as well as software's multidisciplinary tasks.
7. Graduates will demonstrate an understanding of their professional & social responsibilities.
8. Graduates will be able to communicate effectively.
9. Graduates will show the understanding of impact of engineering solutions on the society and also will be aware of contemporary issues.
10. Graduates will participate and succeed in competitive examinations.
11. Graduates will be capable of self-education and clearly understand the value of life-long learning.