

Walchand Institute of Technology, Solapur

Department of Mechanical Engineering

Program Education Objectives



1. To prepare the students with engineering fundamentals leading to excellent performance at University examinations & successful careers at Indian & Multinational organizations.
2. To develop a model teaching-learning process involving interaction from Industry & Academia from Society, in order to refine the technical & analytical skills of the students, that would help them solve engineering problems on the field and also pursue Higher education.
3. To train the students with various scientific & engineering disciplines so that they would be able to comprehend & synthesize the real life situations and propose solutions.
4. To cultivate among the students professional & ethical attitude, effective communication & team working skills while ensuring social orientation demonstrable through their improved Employability.
5. To promote awareness related to life-long learning, entrepreneurship & leadership, to be able to climb the corporate ladder.
6. To make the students adaptable to changing environment, through sensing & application of appropriate methodology leading to value addition & economic growth.

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Program Outcomes



- (a) Graduates will attain the ability to demonstrate basic knowledge in mathematics, science and engineering.
- (b) Graduates will demonstrate the ability to identify, formulate & solve engineering problems.
- (c) Graduates will demonstrate the ability to design and conduct experiments as well as interpret, analyze data and report results.
- (d) Graduates will demonstrate an ability to design a mechanical system or a thermal system or a process with realistic constraints.
- (e) Graduates will demonstrate the skills to use engineering tools, & equipments to analyze & solve engineering problems.
- (f) Graduates will demonstrate the ability to visualize and work on engineering and science laboratory as well as software's multidisciplinary tasks.
- (g) Graduates will demonstrate an understanding of their professional & social responsibilities.
- (h) Graduates will be able to communicate effectively.
- (i) Graduates will show the understanding of impact of engineering solutions on the society and also will be aware of contemporary issues.
- (j) Graduates will participate and succeed in competitive examinations.
- (k) Graduates will be capable of self-education and clearly understand the value of life-long learning.