



SOLAPUR UNIVERSITY, SOLAPUR
FACULTY OF ENGINEERING & TECHNOLOGY
Electronics Engineering

Programme Educational Objectives and Outcomes

A. Program Educational Objectives

1. To enable student to achieve immediate employment in Electronics, Communication and IT related industries with appropriate title and compensation.
2. To enable student to analyze and solve Electronics Engineering problems by applying basic principles of mathematics, science, and engineering and also able to use modern engineering techniques, skills, and tools to fulfill societal needs.
3. To enable student to innovate, design and develop hardware and software components.
4. To nurture student to be sensitive to ethical, societal and environmental issues while conducting their professional work.
5. To build strong fundamental knowledge amongst student to pursue higher education and continue professional development in Electronics & other fields
6. To equip student with technical and communication skills in order to be able to function in national/international/multi-cultural corporations and organizations.

B. Program Outcomes

Students attain the following outcomes:

- a. an ability to apply knowledge of mathematics, science, and engineering
- b. an ability to design and conduct experiments, as well as to analyze and interpret data,
- c. an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
- d. an ability to function on multidisciplinary teams
- e. an ability to identify, formulate, and solve engineering problems
- f. an understanding of professional and ethical responsibility
- g. an ability to communicate effectively
- h. the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
- i. a recognition of the need for, and an ability to engage in life-long learning,
- j. a knowledge of contemporary issues
- k. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.