

Walchand Institute of Technology, Solapur
Department of Electronics Engineering
Program Education 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 field
6. To equip student with technical and communication skills in order to be able to function in national/international/multi-cultural corporations and organizations

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Program Outcomes



- a. Graduates will use principles and tools of basic sciences, mathematics and other basic engineering disciplines for solving technical problems.
- b. Graduates will use principles and tools of basic analog and digital Electronics to demonstrate an ability to identify, formulate design and develop Electronics related problems.
- c. Graduates will develop Electronic, Communication and Computer related systems using appropriate test equipment (with an awareness of related software issues) and will use results of analyses to improve designs or methodologies.
- d. Graduates will successfully design and develop a system as per needs and specifications.
- e. Graduates will exhibit research and problem-solving skills to support lifelong personal and professional development.
- f. Graduates will demonstrate an ability to design and analyze analog electronic system components.
- g. Graduates will demonstrate an ability to design and analyze digital and embedded system components.
- h. Graduates will demonstrate an ability to design analog and digital communication system components.
- i. Graduates will demonstrate skills to use modern engineering tools, basic programming and Electronic System Simulation for solving specific problems.
- j. Graduates will demonstrate an ability to work in laboratory with multi-disciplinary tasks.
- k. Graduates will demonstrate knowledge of professional and ethical responsibilities.