



KSGBS's

**Bharat Ratna Indira Gandhi College of Engineering, Kegaon, Solapur**  
**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION**

## **Vision, Mission, PEOs and POs of Department**

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### **Vision of the Department**

To achieve excellent standards of quality education by keeping pace with rapidly changing technologies and to create technical manpower of global standards in Electronics & Telecommunication Engineering with capabilities of accepting new challenges.

### **Mission of the Department**

- To create competent professionals who are trained in the design, implementation of Engineering & Telecommunication systems and contribute towards the advancement of engineering, science and technology
- To impart quality and value based education to raise satisfaction of all stakeholders.
- Our endeavor is to provide all possible support to promote research & development activities in the field of Electronics & Telecommunication engineering and allied areas.

### **Program Educational Objectives (PEOS)**

The educational objectives of UG program in Electronics & Telecommunication Engineering are designed to produce competent engineers who are ready to contribute effectively to the advancement of Electronics & Telecommunication Engineering causes and to accommodate the needs of the profession. The graduates shall:

1. Identify, define and solve problems in the fields of electronics & communication engineering.

2. Employ necessary techniques and tools for advanced engineering applications, engage themselves in research and development and take up higher education.

3. Use their skills in ethical & professional manner to raise the satisfaction level of the stakeholders.

### **Program Outcomes (POs)**

The program is targeted at developing the following competencies, skills and abilities amongst students. At the end of the program students shall be able to:

1. Apply knowledge of mathematics, science & generic engineering skills and core knowledge of electronics and telecommunication to practical engineering systems

2. Identify, formulate and solve electronics & communication engineering problems using appropriate tools and standards of electronics and telecommunication engineering.

3. Design electronic systems, components or processes to meet desired needs within realistic constraints considering social, cultural and public health issues.

4. Investigate complex problems and use appropriate research methodologies, including design and conduct of experiments, and to analyze and interpret data to provide conclusions.

5. Use the techniques, skills, and modern engineering tools necessary for engineering practice.

6. Understand the impact of engineering solutions in a global, economic, environmental, societal context and sustainability.

7. Demonstrate professional and ethical behavior.

8. Function as an individual or leader in multidisciplinary teams in projects implementation.

9. Communicate effectively verbally and in writing and make presentations.

10. Engage in life-long learning and adapt to rapidly changing technologies.

11. Demonstrate knowledge & understanding of project management and finance and apply these to projects as individual, team member or leader.