K.L.E. Society's
K. L. E. INSTITUTE OF TECHNOLOGY, HUBBALLI-27
(An ISO 9001:2015 Certified Institute)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
(NBA Accredited)
Opposite Airport, Gokul, Hubli-580 027. Dist.: Dharwad, Karnataka, India.
Phone: 0836-2232 664, 681 Fax: 0836-2330688, E-mail: hod_ece@kleit.ac.in, website: www.kleit.ac.in

VISION of the Institute

One Amongst Top Five Percent of Engineering Colleges in Karnataka State by providing conducive teaching-learning environment, enabling transformation of young minds into competent engineers responsive to societal needs and values.

MISSION of the Institute

M1. Modernizing infrastructure from time-to-time, encouraging faculty and supporting staff to upgrade their knowledge aligning to technological trends.

M2. Fostering research initiatives in students and faculty leading to product-development in collaboration with industry and research institutions.

M3. Providing Pedagogical inputs for coherent interactions amongst students and faculty in disseminating necessary technological skills and practical knowledge.

M4. Nurturing and reinforcing intellect and creativity in curricular, co-curricular and extra-curricular activities.

M5. Practicing human values, team spirit and professional ethics for progressive well-being of the society.

VISION of Program Electronics & Communication Engineering

Prepare professionals embodied with competence and values to meet the changing needs in the field of Electronics and Communication Engineering.

MISSION of Program Electronics & Communication Engineering

m1. Providing state-of-the-art hardware and software infrastructure and qualified faculty to constantly update the students to meet the requirements of industry and research institutions.

m2. Inculcating theoretical, practical, design and development skills necessary for lifelong learning.

m3. Bridging the gap between academia and industry by industry-institute interactions.

m4. Imbibing human values and ethics in students to make them socially responsible.

PROGRAM EDUCATIONAL OBJECTIVES

The successful graduates of Electronics & Communication Engineering will be able to-

PEO 1: Apply the knowledge of Electronics and Communication engineering to provide solutions in the relevant field, research, entrepreneurship, academia/engineering and administrative services.

PEO 2: Design, install, operate and maintain electronics and communication systems.

PEO 3: Exhibit lifelong learning and ethical practices in professional/societal/environmental needs.

K.L.E. Society's
K. L. E. INSTITUTE OF TECHNOLOGY, HUBBALLI-27
(An ISO 9001:2015 Certified Institute)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
(NBA Accredited)
Opposite Airport, Gokul, Hubli-580 027. Dist.: Dharwad, Karnataka, India.
Phone: 0836-2232 664, 681 Fax: 0836-2330688, E-mail: hod_ece@kleit.ac.in, website: www.kleit.ac.in

PROGRAM OUTCOMES (POs)

1. **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. **Problem analysis**: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. **Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

6. **The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. **Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOME (PSO)

PSO1. Analyze, design, build and test analog, digital, communication and embedded systems   for given specifications.