



RVS COLLEGE OF ENGINEERING AND TECHNOLOGY

Accredited by NAAC | Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai
Kumarankottam Campus, Kanampalayam
Coimbatore-641402

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

- PEO1: To prepare the students with strong engineering fundamental knowledge for the solution of complex problems
- PEO2: To develop research-based knowledge and innovative ideas.
- PEO3: To provide opportunities for the students to communicate effectively.

PROGRAMME OUTCOMES (POs)

The graduates of B.E (Electrical and Electronics Engineering) will be able to:

- **Engineering Knowledge:** Apply knowledge of mathematics, science, engineering fundamentals and engineering specialization to the solution of complex engineering problems.
- **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
- **Design/ Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
- **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.
- **Modern Tool Usage:** Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitation.
- **The Engineer and Society:** Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.

Dr. S.S. SIVARAJU, M.E., Ph.D.,
Professor & Head
Electrical and Electronics Engineering
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- **Environment and Sustainability:** Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of, and need for sustainable development.
- **Ethics:** Apply ethical principles and commit to professional ethics, responsibilities and norms of engineering practice.
- **Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings.
- **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, design documentations, make effective presentations and give and receive clear instructions.
- **Project Management and Finance:** Demonstrate knowledge and understanding of engineering and management principles and apply these to ones own work, as a member and leader in a team, to manage projects in multidisciplinary environments.
- **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.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

The graduates of B.E (Electrical and Electronics Engineering) will be able to:

- Apply the fundamentals of mathematics, science and engineering knowledge to identify, formulate, design and investigate complex engineering problems of electric circuits, analog and digital electronics circuits, control systems, electrical machines and Power system.
- Apply the appropriate techniques and modern engineering hardware and software tools in electrical engineering to engage in life-long learning and to successfully adapt in multi-disciplinary environments.
- Aware of the impact of professional engineering solutions in societal, environmental context, professional ethics and be able to communicate effectively.

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