



RVS COLLEGE OF ENGINEERING AND TECHNOLOGY

KumaranKottam Campus, Kannampalayam (Po), Coimbatore – 641 402
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
NAAC Accredited and ISO 21001:2018 certified Institution



Department of Electronics and Communication Engineering Regulation 2017

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

Graduates of B.E Electronics and Communication Engineering will,

PEO1	To enable graduates to pursue research, or have a successful career in academia or industries associated with Electronics and Communication Engineering, or as entrepreneurs
PEO2	To provide students with strong foundational concepts and also advanced techniques and tools in order to enable them to build solutions or systems of varying complexity
PEO3	To prepare students to critically analyze existing literature in an area of specialization and ethically develop innovative and research oriented methodologies to solve the problems identified


PROGRAMME OUTCOMES (POs)

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

PO1	Engineering Knowledge: Apply knowledge of mathematics, science, engineering fundamentals and engineering specialization to the solution of complex engineering problems
PO2	Problem Analysis: Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences
PO3	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
PO4	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


Dr. D. JEYAKUMARI
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PO5	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
PO6	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
PO7	Environment and Sustainability: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of, and need for sustainable development
PO8	Ethics: Apply ethical principles and commit to professional ethics, responsibilities and norms of engineering practice
PO9	Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings
PO10	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
PO11	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
PO12	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. (Electronics and Communication Engineering) will be able to

PSO1	Analyze, design and develop solutions by applying foundational concepts of electronics and communication engineering
PSO2	Apply design principles and best practices for developing quality products for scientific and business applications
PSO3	Adapt to emerging information and communication technologies (ICT) to innovate ideas and solutions to existing/novel problems.


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