DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING
Rajiv Gandhi Institute of Technology Kottayam

PROGRAM SPECIFIC OUTCOMES (PSOs)

On satisfactory completion of the program, a student should able to:

PSO Designation number	Type	Description
PSO1	**Specialization knowledge**	Identify, analyze and solve real-life problems by applying the knowledge in Electrical and Electronics Engineering.
PSO2	**Employability**	Design and develop electrical systems and intelligent tools to excel in the field of Electrical and Electronics engineering with an aspire to become a brand name in industry and society.
PSO3	**Ethics and Values**	Find solutions to global issues faced by the society through engineering and technology innovations by upholding professional ethics and social values.

PROGRAM OUTCOMES (POs)

After the completion of the course, Engineering Graduates will be able to :		
PO designation number	**Program Outcome (PO) Description**	
PO1	**Engineering knowledge**	Apply the knowledge of mathematics, science and the fundamentals of Electrical and Electronics Engineering to the solution of complex engineering problems.
PO2	**Problem analysis**	Identify, formulate, refer literature and analyze complex engineering problems reaching appropriate conclusions using first principles of mathematics and engineering sciences.
PO3	**Design/development of solutions**	Compose solutions for complex engineering problems and develop system components or processes that meet the specified needs of societal and environmental considerations including public health and safety.
PO4	**Conduct investigations of complex problems**	Use research-based knowledge and innovative methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
PO5	**Modern tool usage**	Create, select and apply appropriate techniques, resources and modern engineering and software tools including modeling to complex engineering activities with an understanding of constraints.
PO6	**The engineer and society**	Apply reasoning based on contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	**Environment and sustainability**	Understand the impact of the professional engineering solutions in societal and environmental contexts and demonstrate the knowledge and the need for sustainable development.
PO8	**Ethics**	Understand ethical responsibilities and apply ethical principles in engineering practices.
PO9	**Individual and team work**	Function effectively as an individual, and as a member or leader in diverse teams and in multidisciplinary settings.
PO10	**Communication**	Communicate effectively on complex engineering activities with the engineering community and with the society at large including delegation of instructions, effectual presentation, efficient documentation and effective comprehension.
PO11	**Project management and finance**	Apply engineering management principles to one's own work in a team and manage projects in multidisciplinary environments.
PO12	**Life-long learning**	Recognize the need for independent and life-long learning in the broadest context of technological change and the readiness to engage in it.