Programme Outcomes (POs) of the undergraduate Engineering programme (as per the guidelines given in NBA e-SAR December 2015 version)		
PO designation number	**PO type**	**Engineering graduates will be able to**
ECE/UG/ PO-1	**Engineering Knowledge**	Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
ECE/UG/ PO-2	**Problem Analysis**	Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
ECE/UG/ PO-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.
ECE/UG/ PO-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.
ECE/UG/ PO-5	**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 limitations.
ECE/UG/ PO-6	**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 the professional engineering practice.
ECE/UG/ PO-7	**Environment and Sustainability**	Understand the impact of professional engineering solutions in societal and environmental contexts, and demonstrate knowledge of, and need for sustainable development.
ECE/UG/ PO-8	**Ethics**	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

ECE/UG/ PO-9	**Individual and Team work**	Function effectively as an individual, and as a member or leader in diverse teams, and in multi-disciplinary settings.
ECE/UG/ PO-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.
ECE/UG/ PO-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.
ECE/UG/ PO-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.

Programme Specific Outcomes (PSOs) of the undergraduate programme in Electronics and Communication Engineering		
PSO designation number	**PSO type**	**Engineering graduates will be able to**
ECE/UG/ PSO-1	**Research**	Generate ideas from the knowledge of engineering specialization leading to research
ECE/UG/ PSO-2	**Entrepreneurship**	Apply knowledge and understanding of engineering principles to initiate entrepreneurship ventures
ECE/UG/ PSO-3	**Specialization Knowledge**	Apply the knowledge of communication, signal processing, electromagnetics and embedded systems to engineering practice