



International Institute of Information Technology

Bangalore (Deemed University)

26/C, Electronics City, Hosur Road, Bengaluru – 560100.

PROGRAMME: INTEGRATED MASTER OF TECHNOLOGY ELECTRONICS AND COMMUNICATION ENGINEERING (ECE)

PO No.	Programme Outcomes <i>Upon completion of the iM.Tech Master Degree Programme, the post graduate will be able to</i>
PO-1	Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO-2	Problem Analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using the first principles of mathematics, natural sciences, and engineering sciences.
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.
PO-4	Conduct Investigations of Complex problems: Use research-based knowledge and research methods, including the design of experiments, analysis, and interpretation of data, and synthesis of the information to provide valid conclusions.
PO-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.
PO-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.
PO-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.
PO-8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities, and norms of the engineering practice

PO-9	Individual and Teamwork: Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.
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.
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.
PO-12	Life-Long Learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning (LLL) in the broadest context of technological change.
PO-13	Research and Development: Independently carry out research /investigation and development work to solve practical problems.

Program Specific Outcomes

PSO No.	Programme Specific Outcomes Upon completion of the iM.Tech Master Degree Programme, the post graduate will be able to
PSO-1	Specify, design, prototype, and test embedded systems that perform analog and digital signal processing functions as per user requirements using the state-of-the-art components.
PSO-2	Architect and design essential elements of modern communication systems, and networks as per the user requirements.
PSO-3	Specify and design efficient algorithms for performing signal and image processing functions.