

M.Tech - RF & Microwave Engineering

Program Educational Objectives (PEO)

1. Strengthen basic and advanced concepts in design of active & passive RF circuits and antennas through numerical/ analytical and computational skills in the area of RF and Microwave Engineering.
2. Empower the graduates with required knowledge and skills to pursue research/higher studies by developing appropriate academic curriculum with proper balance between theoretical and experimental exposure.
3. Encourage and inculcate innovative learning and research practices through appropriate components in the curriculum to enhance curiosity & creativity and thus enabling the graduates to take up state of the art research challenges in Industry/Academia/R&D organizations.
4. Instill a deep sense of ethics, social values, professionalism, interpersonal/leadership skills and ability to work in a team.

Program Outcomes (PO)

1. An ability to independently carry out research /investigation and development work to solve practical problems
2. An ability to write and present a substantial technical report/document
3. Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.
4. To ensure in-depth understanding of the fundamental and advanced concepts in the broad area of RF and Microwave Engineering.
5. To develop the ability to analyse/compute advanced mathematical aspects of applied RF and Electromagnetic systems, design and testing of advanced microwave circuits and radiating systems.
6. To encourage independent research/investigation skills to understand, solve and deal with practical problems in the area of Microwave and mm- wave technology.