

Area / Group Name: RF and Microwave Engineering

RF and Microwave Engineering is a branch of Electronics and Communication Engineering that deals with devices, which are designed to operate in the radio frequency spectrum. Recently, there is an upsurge of research activities in this area. RF and Microwave Engineering group carries out research in the area of analysis and designing of Ultra wideband filters, Resonators, absorbers etc. The group is also engaged in the research and development of micro strip antennas, smart antennas, millimeter wave antennas, on chip antennas, SIW antennas, microwave antenna for biomedical applications.

RF and microwave research explores several areas like computational Electromagnetics, Graphene plasmonic THz integrated circuits, and fast wave devices like Gyro-TWTs.

Currently, 10 faculty members are working in the area of RF and Microwave Engineering. Four scholars have completed their Ph.D. in this area and 7 scholars are currently pursuing their research. More than 100 research papers in reputed International Journals and many more conference papers, books have been published in this area by the faculty members and students of the department of ECE, JIIT.