



Module PMRF-ISSS005/2023

Microstrip Antennas and Applications

Name of the PMRF student

SAURAV ROY

Required background of the students taught

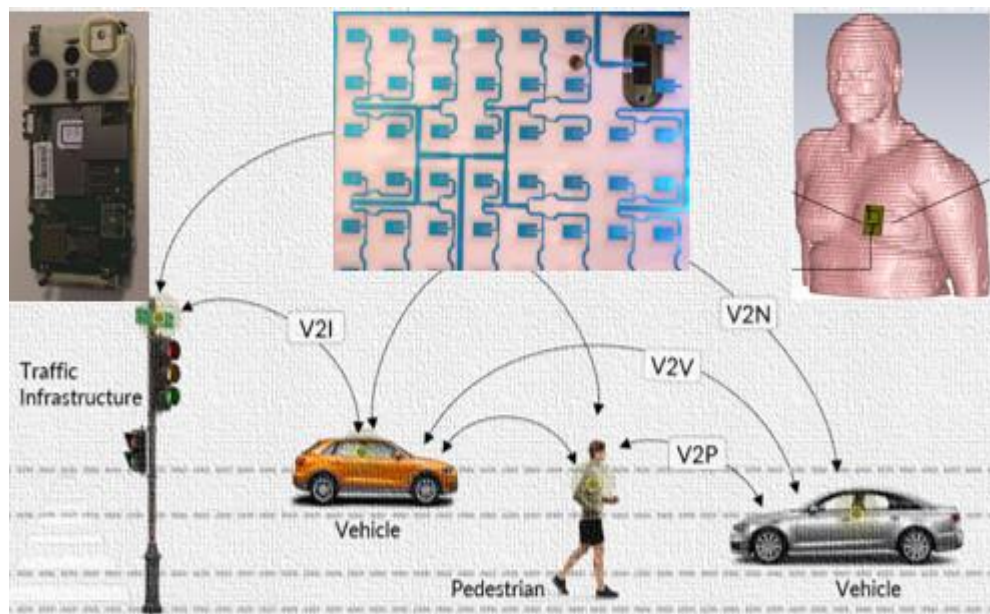
Basic Electromagnetics

Online session coordinator

Will be chosen from the list of registrants

Details of the content of the module

- Historical aspects of antenna
- Fundamentals of antenna theory
- Basics of microstrip antenna
- Cavity model of rectangular patch antenna
- Circular patch antenna
- Broadband microstrip antenna
- Characteristics of patch: bandwidth, input impedance, coupling and polarization
- Microstrip arrays
- Antennas for mobile communications
- Microstrip antennas for MIMO
- Patch antenna for RF energy harvesting
- Microstrip Antennas in IoT
- Wearable antennas for medical applications



Schedule of the module

Saturday, 05:30 PM – 07:30 PM

Sunday, 05:30 PM – 07:30 PM

Tutorial: Saturday, 10:30 AM – 12:30 PM

Start date: 12.08.2023

Meeting link : **Will be shared later**

Contact email ID: iss.form@gmail.com

Registration link:

<https://forms.gle/cYi88WUa11xxQvGF8>