

# PMRF-ISSS Teaching Programme

Prime Minister Research Fellowship students' teaching requirement facilitated by the Institute of Smart Structures and Systems



Module PMRF-ISSS163/II/2024

## Overview of Waveforms for Next-Generation Wireless Communication

### Name of the PMRF student

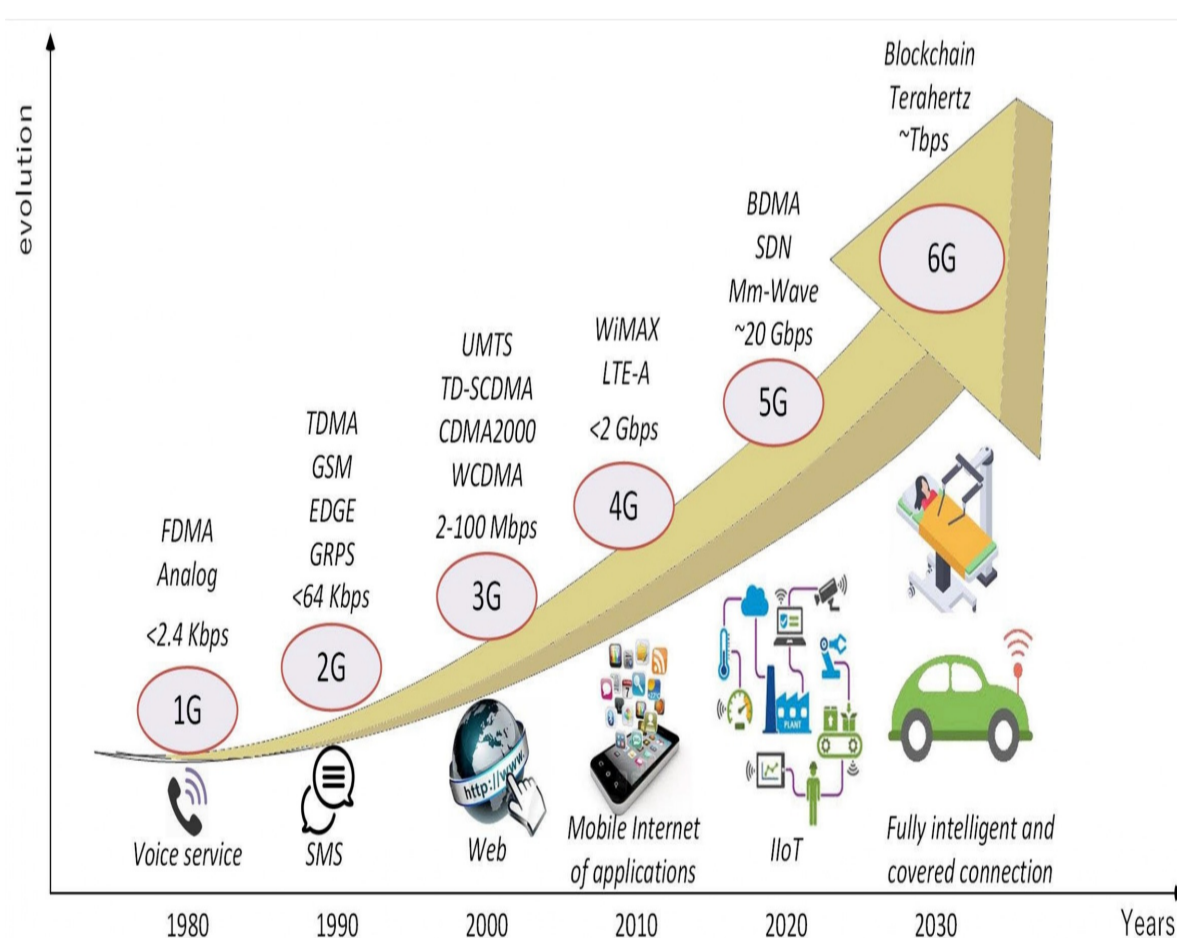
Niladri Halder, IISc Bangalore

### Required background of the students taught

Electronics and Communications Engineering,  
Telecommunication Engineering

### Details of the content of the module

1. Orthogonal Frequency Division Multiplexing (OFDM)
2. Orthogonal Time-Frequency Space Modulation (2step-OTFS)
3. ZAK OTFS
4. Orthogonal Chirp Division Multiplexing (OCDM)
5. Conclusions



### Schedule of the module

Start date: October 22, 2024

End date: October 26, 2024 (Tentative)

Class timing: Everyday - 5 PM-8 PM

Recorded lectures will be uploaded regularly.

Total lecture hours: 15 hours

Meeting link : Will be shared later

[Link](#)

Contact email ID: [iss.forum@gmail.com](mailto:iss.forum@gmail.com)

Registration link: [here](#)

<https://forms.gle/qoeV2vyrHNqR3qmW6>