PMRF-ISSS Teaching Programme

Prime Minister Research Fellowship students' teaching requirement

facilitated by the Institute of Smart Structures and Systems

Module PMRF-ISSS052/II/2024

Wireless Networking

Name of the PMRF student
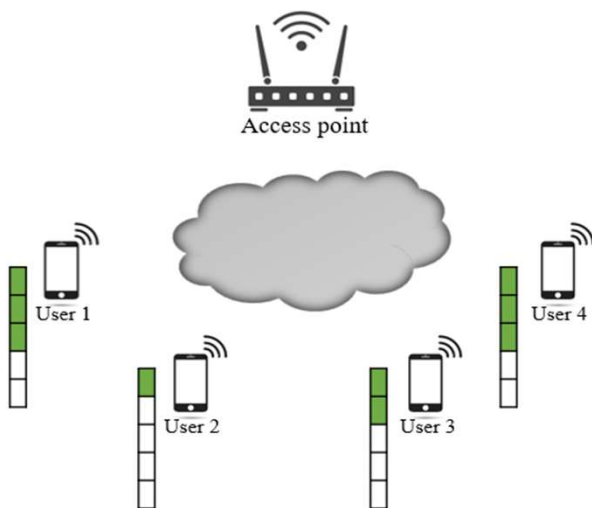
Arthi S, IISc Bangalore

Required background of the students taught

3rd/4th UG and PG students interested in wireless and communication networks can take this course.

Prerequisite: A basic course on probability.

Access point

User 1

User 2   User 3

User 4

Details of the content of the module

1. Introduction and Motivation

2. Stochastic processes

3. Markov chains

4. Discrete-time M/M/1 queue

5. Delay in wireless networks.

6. Basic queueing systems

7. Renewal theory

8. Introduction to Wi-Fi

9. Modelling of 802.11 WLANs

Schedule of the module

Start date: March 25, 2024

End date: May 24, 2024

Lecture duration: 90 minutes

Recorded lectures will be uploaded on Tuesdays and Thursdays.

Meeting link : Will be shared later

Link

Contact email ID: isss.forum@gmail.com

 Registration link:
https://forms.gle/BWkRXTg