PMRF-ISSS Teaching Programme
Prime Minister Research Fellowship students' teaching requirement
facilitated by the Institute of Smart Structures and Systems
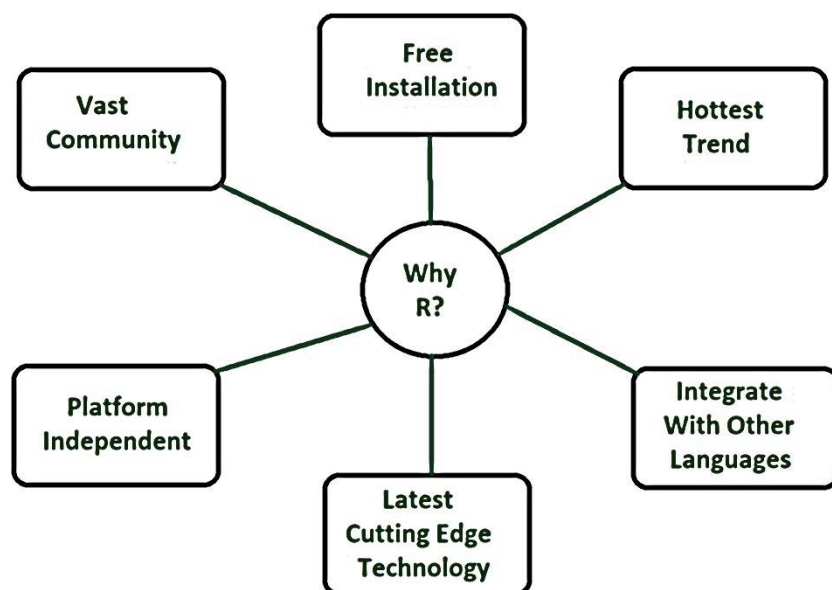
Module PMRF-ISSS067/2024

Data Science for Engineers using R

Name of the PMRF student

Saladi Pravallika, IISc

Required background of the students taught

Any Engineering students with basic understanding of Math and Coding

Details of the content of the module

1. **Introduction to R**

2. **Mathematical foundations required for data science**
   - **Linear Algebra**
   - **Optimization**
   - **Statistics**

3. **First level Data Science Algorithms**

4. **Classification and Regression Problems**

5. **Basics of Neural Networks**

6. **K-NN**

Schedule of the module

Start Date: 1st October 2024

End Date: 24th October 2024

Timings: Tues, 3-5pm and Thurs, 3-6pm

Meeting link : Will be shared later

Link

Contact email ID: isss.forum@gmail.com

Registration link:
https://forms.gle/QS9XQ9eVc1UiExjZ6