PMRF-ISSS Teaching Programme

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

Module PMRF-PMRF-ISSS079/2025

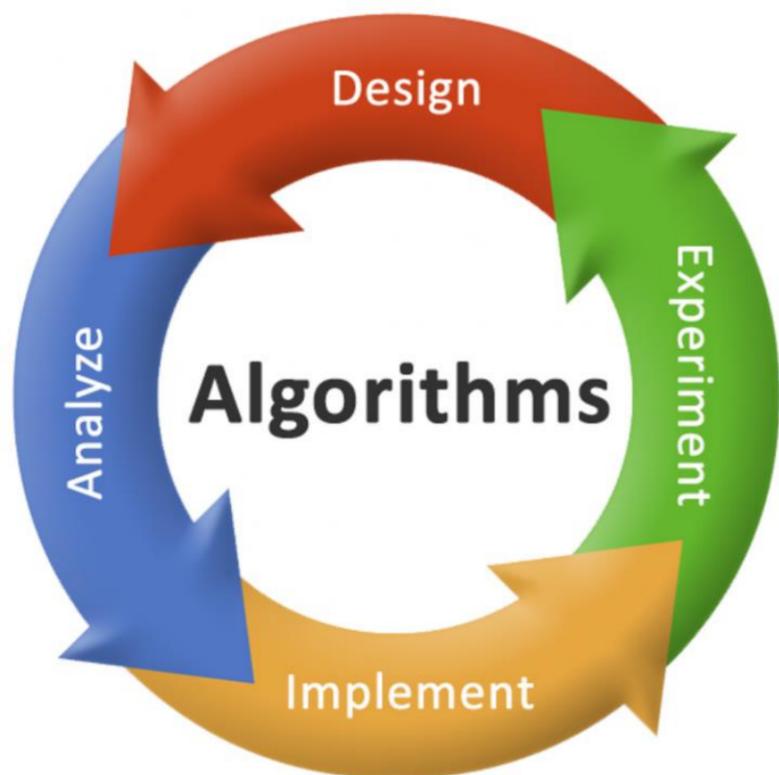# Design and Analysis of Algorithms

Name of the PMRF student

Daanish Mahajan

Required background of the students taught

High school mathematics

Online Session Coordinator

<From the list of participants>

Details of the content of the module

Week 1: Asymptotic Complexity

Week 2: Searching and Sorting

Week 3: Graphs (Introduction)

Week 4: Graphs (Algorithms)

Week 5: Divide and Conquer, Basic Data Structures

Week 6: Search Trees, Greedy

Week 7: Dynamic Programming

Week 8: Intractability

Schedule of the module

Course starts: 5th September, 2025

Course ends: 24th October, 2025

Classes on: Friday (6 – 8 pm)

Number of lectures: 8

Discussion of concepts along with problem solving

Meeting link :

Contact email ID: daanishmahajan27@gmail.com

Registration link: Google Form