



Module PMRF-ISSS018/2024

Basic Transform Techniques

Name of the PMRF student

Pranay Mohta

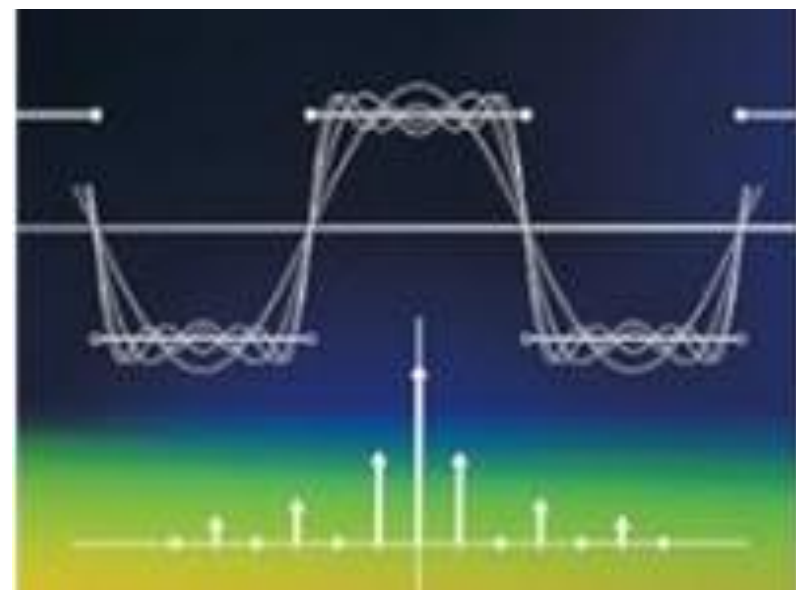
Required background of the students taught

Undergraduate students in any Engineering discipline

Details of the content of the module

This series of sessions is designed to cover problem-solving from basic to mid level, encompassing theoretical concepts. The problem-solving sessions will cover a diverse range of topics, including:

- Introduction to Fourier series
- Finding Fourier series of a periodic function
- Fourier transform and its properties
- Fourier transform and its applications
- Introduction to Laplace transform
- Laplace transform and its properties
- Laplace transform and its applications
- Laplace transform and its applications to PDEs
- Z-transforms and its properties and applications



Schedule of the module

Start Date: 15/02/24

End Date: 26/03/24 (tentative)

Lecture timing: Tuesday (11:00—13:00)

Thursday (11:00—13:00)

Note: The course may get extended by one week. In unforeseen cases, the recorded lectures will be uploaded on time.

Meeting link : Will be shared later

[Link](#)

Contact email ID: issf.forum@gmail.com

Registration link:

<https://forms.gle/a1m1Cw9CMAjCpuJ49>