



Module PMRF-ISSS105/2024

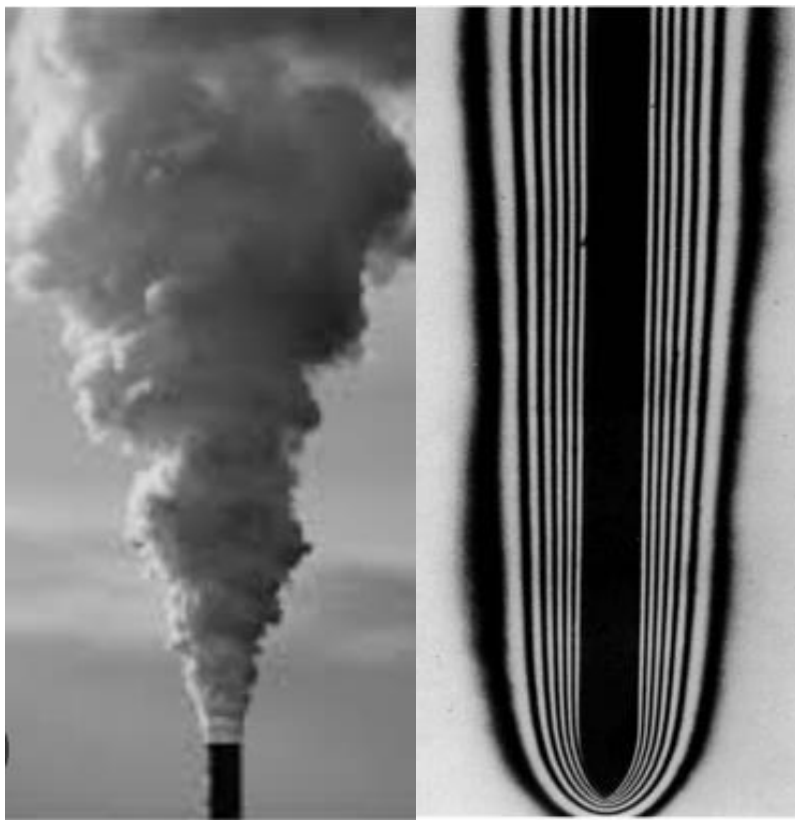
Scaling Analysis in Heat Transfer

Name of the PMRF student

Nabajit Deka

Required background of the students taught

A basic knowledge of thermodynamics and fluid mechanics



Details of the content of the module

1. Laws and modes of heat transfer (1 hour)
2. Introduction to governing equations (2 hours)
3. Rules for scaling analysis (1 hour)
4. Concept of boundary layer (1 hour)
5. Scaling analysis in forced convection (4 hours)
6. Scaling analysis in natural convection (4 hours)
7. Problem discussion (1 hour)

Schedule of the module

Start date: 25th July, 2024

End date: 31st July, 2024

Every day from 25th July to 31st July classes from 6pm to 8pm.

Additional hours can be arranged if required for doubt clarification

Meeting link : Will be shared later

[Link](#)

Contact email ID: issforum@gmail.com

Registration link:

<https://forms.gle/uJnsXvHaXqRoiuSDA>