



Module PMRF-ISSS013/2025

Introduction to Astronomy & Astrophysics

Name of the PMRF student

Riya Mullick

Details of the content of the module

Required background of the students taught

*Early undergraduate students in Physics, Mathematics and any Engineering related fields, 12<sup>th</sup> level science background.*

We will cover following topics-

Module 1: Introduction, Solar-System, Coordinate system, Distance scale (3)

Module 2: Sun, Stars and Stellar Evolution, Extra-solar Planets (3)

Module 3: Extragalactic-Astronomy (3)

Module 4: Observational Astronomy (2)

Module 5: History of Universe (2)

Module 6: Virtual Observatory, Data Access and Analysis using Python (3)



Schedule of the module

Total Weeks : 8

Start dates : 15 Feb 2025

End dates: 10 April 2025( Tentative )

Class Schedule: Total 16 Classes

( Sat, Sun, Tue, Wed 1.5 hr each ).

Joining link & FCH will be provided to registered students.

Meeting link : Will be shared later

Contact email ID:

[iss.forum@gmail.com](mailto:iss.forum@gmail.com), [riyam22@iitk.ac.in](mailto:riyam22@iitk.ac.in)

Registration link:

<https://forms.gle/YaTSz9irdh7LKYG26>