

Manipal Centre for Natural Sciences

Centre of Excellence

Short certificate course on **Introduction to Solar Physics**

by

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Course duration: June 6 – June 10, 2022

Format: Interactive classes on 6th, 8th and 10th June 2022, from 5:30 pm to 7:00 pm

Venue: Microsoft Teams online platform.

About the course: Study of the Sun and the physics of activities on the Sun is an exciting field of scientific research, and this branch of science is as old as human civilization. Unlike other celestial sources of radiation, the activities on the Sun directly impact the Earth and the life form on Earth. In this course, a bird's eye view of the field of Solar Physics and current research in the field will be covered. Tutorials will primarily cover how to get observational data from different sources and how to make sense of these data.

Topics to be covered: Introduction to different layers of Solar interior and exterior atmosphere, Energy generation in the core and energy transfer through different layers, features seen on different layers of solar atmosphere, magnetic activities on the sun, sunspots, solar flares, how to get observational data and simple methods of analysis.

Who can apply: Students enrolled in an undergraduate program or higher. Lifelong learners who wish to get an overview of the field are also welcome.

How to apply: The number of participants is limited to 20. Use the following link for application:

<https://bit.ly/3a6zzGD>



Selected candidates will be notified through emails. **There is no registration fee.**

Eligibility for the completion certificate: 100% attendance and completion of all the modules in the course.

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