

## About the Workshop

Planetary exploration of the Moon and Mars has revealed several interesting facts related to the surface features on these planetary bodies. The past few decades of remote sensing followed by recent advances in the data analysis techniques have contributed significantly to our current understanding of the physical and chemical processes occurring over the planetary surfaces. Wealth of data acquired by various lunar and Mars missions has resulted in discoveries, provided huge opportunities to study these planetary bodies by the examination of new ideas and testing data analysis algorithms. This online workshop is focused on remote exploration of the Moon and Mars through various scientific satellite missions and discussions of their important findings especially from Indian Missions. We invite you to attend this workshop on “Planetary Exploration of the Moon and Mars: Findings from Indian Remote Sensing Missions” scheduled on **20 May, 2022**.

## Workshop Content and Outline

This online workshop will cover the following topics:

- Overview of Planetary Exploration
- Remote Sensing of the Moon
- Lunar mineralogy: Techniques and Findings
- New insights into the most recent episode of potential water flow on Mars
- Microwave remote sensing with emphasis on Indian Lunar Missions

## Expected Outcome

The proposed workshop is planned to provide an overview of remote exploration of our natural satellite, the Moon and near neighbor, Mars. It is envisaged to showcase the process, methods and salient findings of recent lunar and Mars missions with the emphasis Indian Missions. Students and researchers aligned to research in Planetary Science would be able to develop understanding about the various aspects of Lunar and Martian explorations.

## How to register for workshop

Course updates and other details are available at URL- <http://www.iirs.gov.in/EduSat-News/>. All the participants have to register online through registration page available on the above web link.

## How to attend the Workshop

- Individuals can attend the course live via any web browser through the eclass portal of IIRS Dehradun i.e.  
<https://eclass.iirs.gov.in>
- The participants can also attend the live workshop via the YouTube channel of IIRS i.e.,  
<https://www.youtube.com/user/edusat2004>
- The content of the workshop will be available offline after 24 hours in the eclass portal.

## Who can attend the workshop

The workshop is designed for professionals from Central / State Govt. / Private Organizations / NGOs engaged in geospatial data analysis related research and projects; students and researchers aligned to research in planetary science.

## Award of Certificate

- All the participants who attend the full live workshop via eclass portal.
- The participants who attend the workshop via IIRS youtube channel should mark their attendance via offline session available after 24 hrs.

## Workshop Contact Details

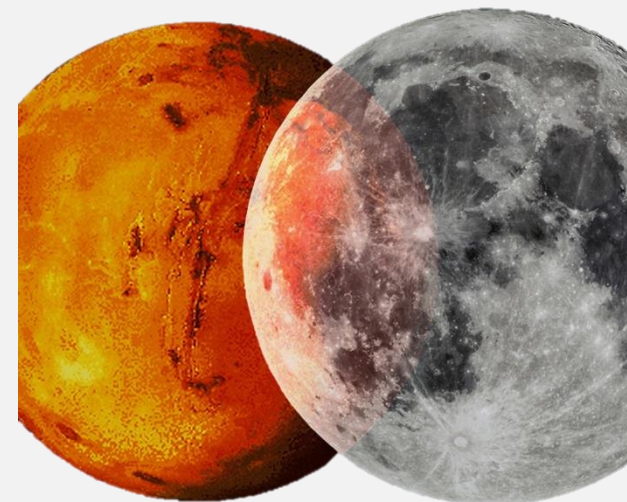
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## 1022<sup>nd</sup> IIRS Outreach Programme



## One Day Online Workshop on

“Planetary Exploration of the Moon and Mars: Findings from Indian Remote Sensing Missions”

May 20, 2022



Organised by

Indian Institute of Remote Sensing  
Indian Space Research Organisation  
Department of Space, Govt. of India  
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