IIRS Outreach Programme

The IIRS outreach programme, which started in 2007 with 12 universities/ institutions has now grown substantially. The beneficiaries of the programme may include:

- Central/State/Private Universities & Academic Institutions
- Central & State Disaster Management Centers
- State Remote Sensing Departments
- Research Institutes
- Earthquake engineering/ geotechnical Industries
- NGOs

Feedback Mechanism

IIRS has conducted workshops and sessions during IIRS User Interaction Meet to take feedback from participating institutions to improve the quality of future courses.

IIRS Outreach programme feedback session during IIRS User Interaction Meet (IAM)-2020

Awards

IIRS has received national awards for excellence in training for outreach and e-learning programme during 1st National Symposium on Excellence in Training conducted during April 11-12, 2015 in New Delhi by Department of Personnel & Training (DoPT), Govt. of India in collaboration with United Nations Development Programme (UNDP).

About IIRS

Indian Institute of Remote Sensing (IIRS) under Indian Space Research Organisation (ISRO), Department of Space, Govt. of India is a premier Training and Educational Institute set up for developing trained professionals in the field of Remote Sensing, Geoinformatics and GNSS Technology for Natural Resources, Environmental and Disaster Management. Formerly known as Indian Photo-interpretation Institute (IPI), founded in 1966, the Institute boasts to be the first of its kind in entire South-East Asia. While nurturing its primary endeavour to build capacity among the user community by training mid-career professionals, the Institute has enhanced its capability and evolved many training and education programmes that are tuned to meet the requirements of various target groups, ranging from fresh graduates to policy makers including academia.

IIRS also conducts e-learning programme on Remote Sensing and Geoinformation Science (*http://elearning.iirs.gov.in*).

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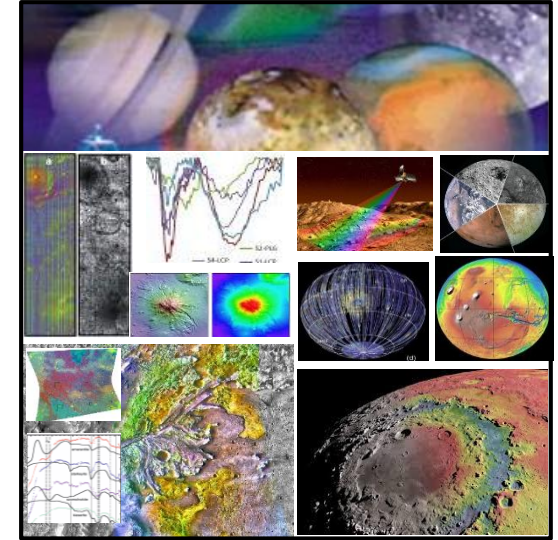**Indian Institute of Remote Sensing,**
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Fifty Nine IIRS Outreach Programme

"Overview of Planetary Geosciences with special emphasis to the Moon and Mars"
April 13- 17, 2020

Organised by

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

www.iirs.gov.in

About the Course

Planetary exploration has revealed several interesting facts related to the surface features on the planets and their satellites. The workshop on Planetary Geosciences is planned to provide an overview of planetary science, introduce students to the geology of the Moon and Mars and applications of various remote sensing techniques in analyzing their surface characteristics. We invite you to attend this training program on "**Overview of Planetary Geosciences with special emphasis to Moon and Mars**" The course is scheduled from April 13-17, 2020.

Course Contents

Overview of Planetary Geosciences with special emphasis to the Moon and Mars

- Planetary Geoscience: Issues and Challenges
- Geology of the Moon
- Remote Sensing of the Moon: Tools and Techniques
- Geology of the Mars
- Remote Sensing of Mars: Tools and Techniques

Practicals/Demo Exercises

- Planetary data downloading and handling
- Tutorial cum hands on exercises on Hyperspectral data processing and analysis for Moon
- Tutorial cum hands on exercises on Microwave data processing and analysis for Moon

Target Participants

The course is designed for professionals from Central / State Govt. / Private Organizations /Institutes/ Universities/ NGO/ students & researchers engaged in Earth and Planetary sciences.

The course participants have to be duly sponsored by their university/ institution and application should be forwarded through coordinators from respective Organisations/ Centres. Users attending programmes under CEC-UGC/ CIET/ other networks can also participate. Institutions on high speed National Knowledge Network (NKN) can also participate.

Course Study Material

Course study materials like lecture slides, video recorded lectures, practical and demonstration handouts, etc. will be made available through IIRS ftp link. Video lectures will also be uploaded on YouTube Channel (http://www.youtube.com/user/edusat2004).

Course Fee

There is no course fee for attending this programme.

Course Registration

Course updates and other details will be available on URL- http://www.iirs.gov.in/Edusat-News/. All the participants has to register online through registration page available on above web page.

Award of Certificate

Working Professionals: Based on 70% attendance and submission of assignments.
Students: Based on 70% attendance and online examination.

Course Funding & Technical Support

The programme is sponsored by National Natural Resources Management System – Standing Committee on Training and Education (SC-T), Indian Space Research Organisation, Department of Space, Government of India.

Programme Reception

Programme can be received through Internet connectivity of 2Mbps or better. Following hardware and software set-up is required at user end:

Hardware Requirements :

- High-end Computer/Laptop (Windows OS);
- Good quality web camera;
- Headphone with Microphone;
- Speakers;
- Large Display Screen (Projector or TV) .

Software and Internet Requirements

- Online live lecture through
  https://eclass.iirs.gov.in/login or
  https://elearning.iirs.gov.in/

Connectivity & Other configurations:

- NKN or any other high speed internet facility (preferably without firewall, with minimum of 2 Mbps bandwidth)
- Network requirements: Port 80 and RTMP (port 1935) protocol should be unblocked from user's computer and Firewall.

Note: Institutions/ Universities have to bear total expenses for establishment of the classroom facility.