



Special Course on

iirs

'Big Geodata Processing'

5 Apr, 2021 – 30 Apr, 2021

We are living in the big data era. Nowadays, huge amount of location specific dataset are being generated from various sources like Earth Observation, field based sensors, IoT, GPS traces, social media etc. These voluminous datasets generated is of huge potential for the decision makers both in stream and batch mode. In this data deluge, big data technologies offered an approach for storing, managing and analysing such huge amount of data (both structured and unstructured) that is difficult to manage using traditional database (RDBMS) technologies.

Content

- Introduction to big geodata
- Principles of big geodata management, modelling and analysis
- Major Big geodata solutions (e.g. Google Earth Engine, Hadoop/Spark)
- Process raster, vector and crowdsourced data using Big data solutions
- Developing scalable workflows and version control

Learning Outcomes:

After completion of this course, the candidate is able to:

- Explain the basics of big geodata handling & processing.
- Compare various big geodata solutions.
- Create the required data management and analytical workflows to execute a big geodata project.
- Design scalable workflows and prepare & maintain a code repository

Essential qualification required to apply: Graduate/Post-Graduate in Comp. Sci./ CSE/ IT/ Software Engg./ Geoinform. or equivalent with basic knowledge of GIS, DBMS and programming in Python/R.

Number of Seats: 10 (all seats for Indian nationals only)

Process of application: Only Online Applications will be considered. Refer course flyer in IIRS website (www.iirs.gov.in) for submitting application and additional details.

Application Fee: Nil

Important Dates: Start date to Apply: 15.01.2021 | Last date to Apply: 21.02.2021
Announcement of selection list: 08.03.2021

Course Fee: Rs. 7,500. Boarding & lodging charges in IIRS Hostel are extra (Rs. 6,000 approx.) and will have to be paid by the candidate as per the IIRS hostel rules & regulations.

Note: Candidates nominated by the govt. organizations & professionals working in the field of Big Data Processing and Geoinformatics will be given preference for admission.

Organised by

Indian Institute of Remote Sensing
 Indian Space Research Organisation
 Department of Space, Govt. of India
 Dehradun
www.iirs.gov.in

Contact Details

Dr. Sameer Saran
 Head, Geoinformatics Department
 Tel: +91 135-252-4123 | Email: sameer@iirs.gov.in