

REPORT ON WEBINAR

The Department of Geography has organised a webinar on 07/07/2020 on the topic entitled "Application of Remote Sensing and GIS in Earth Science". The talk was delivered by Dr. Ashim Sattar, Postdoctoral Researcher, University of Dayton, Ohio, USA. The joint co-ordinators of the webinar are respectively Mrs Nabami Bhuyan and Dr. H. M. Abdus Shahid. The Webinar was participated by more than 130 participants from different parts of India. Dr. Surajit Bhuyan, Principal Lakhimpur Girls' College, delivered an welcome address to the audience.

Dr Sattar delivered his presentation on basic principles of remote sensing and ever increasing applications of the technique in Earth Sciences. Dr Sattar started his speech with concept of remote sensing and GIS. He explained how electro-magnetic radiation propagates from different objects, how different objects are identified. He explained how remote sensing is applied in different fields like, agriculture, soil, land-use pattern, forest cover mapping, environmental impact assessment, weather and climate analysis, disaster monitoring and assessment, planning purpose etc. The webinar is now available Lakhimpur Girls' College YOUTUBE link, i.e, <https://youtu.be/F2uRBxMpgCg> ('Application of Remote Sensing & GIS in Earth Science'). Some of glimpses of his presentation can be viewed from his power point presentation.

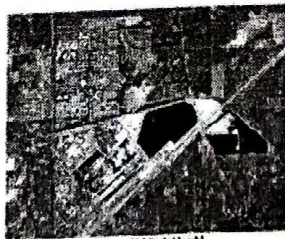
Application: Vegetation/Agriculture

Scope

- Crop modeling for yield & production forecast / estimation
- Crop & Orchard monitoring

Benefits

- Timely availability of crop statistics for decision making & planning
- Crop growth monitoring
- Soil status monitoring
- Regular reports regarding total area under cultivation



Remote Monitoring - Muhammad Far (Goshid)

Source: IIRS

Earth Observation - Applications

Source: ISRO/ISRO/ISRO





M.Ph.D (IIT Roorkee & DGCC,
Bangalore, 2019)

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Columbus, Ohio, USA, 2020

Thank you for your patience

You may reach out to me at
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MAJOR RESEARCH INTERESTS

- RS/GIS-based characterization of glaciers.
- RS/GIS-based characterization of mountain hazards- GLOF's.
- Glacier-climate interaction and modeling
- Urban flooding

A handwritten signature in black ink, appearing to read 'Nabami Bhuiyan'.

Nabami Bhuiyan

HoD

Department of Geography

Head

Department of Geography

Lakhimpur Girls College