DAILY ASSESSMENT FORMAT

Date:	03-07-2020	Name:	Roshni A B
Course:	IIRS Outreach Programme	USN:	4AL17EC080
Topic:	Satellite Photogrammetry and its Applications	Semester & Section:	6th SEM & 'B' SEC
Github Repository:	Roshni-online		

FORENOON SESSION DETAILS

Image of session

IIRS- e Learning Portal: New user | E-CLASS

eclass.iirs.gov.in/quiz

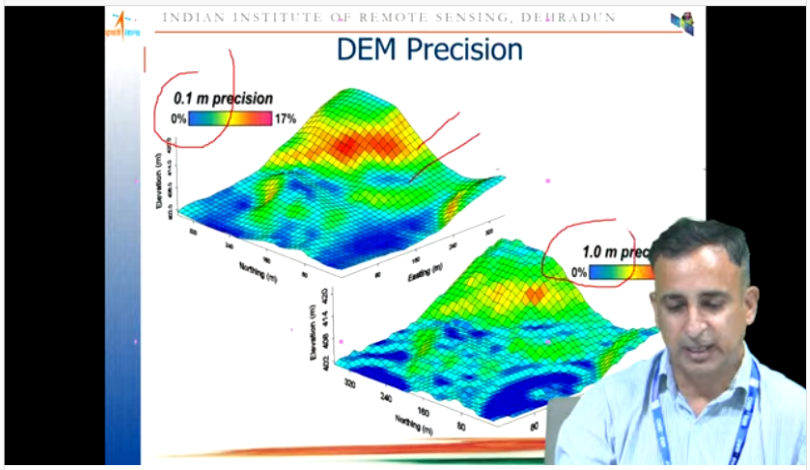
Apps | New Tab | Syngene VPN

E-CLASS
ELECTRONIC COLLABORATIVE LEARNING AND KNOWLEDGE SHARING SYSTEM

- Live Session
- Offline Session
- Study Material
- Attendance Status
- Course Guidelines
- Feedback

Dear participant, to mark your attendance properly, please do not frequently r

Presenter: Dr. Anil Kumar — Live Now



Ask Question

Saksham Raj: Present sir 3:55 PM

MANAN NEEMA: good afternoon everyone 3:55 PM

Ayush Choudhary Choudhary: Watch offline lecture to get the attendance 3:55 PM

Vaishnavi M: Watch offline lectures you will get the attendance ...

Nihal Tadakamadla: I watched but i did get

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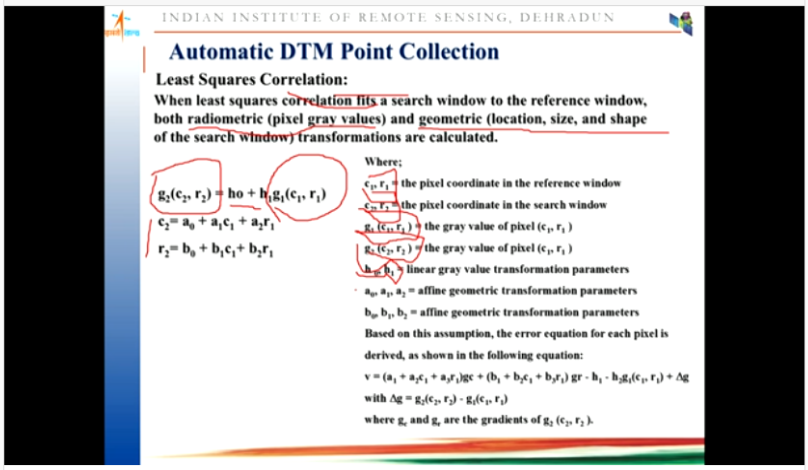


Ask Question

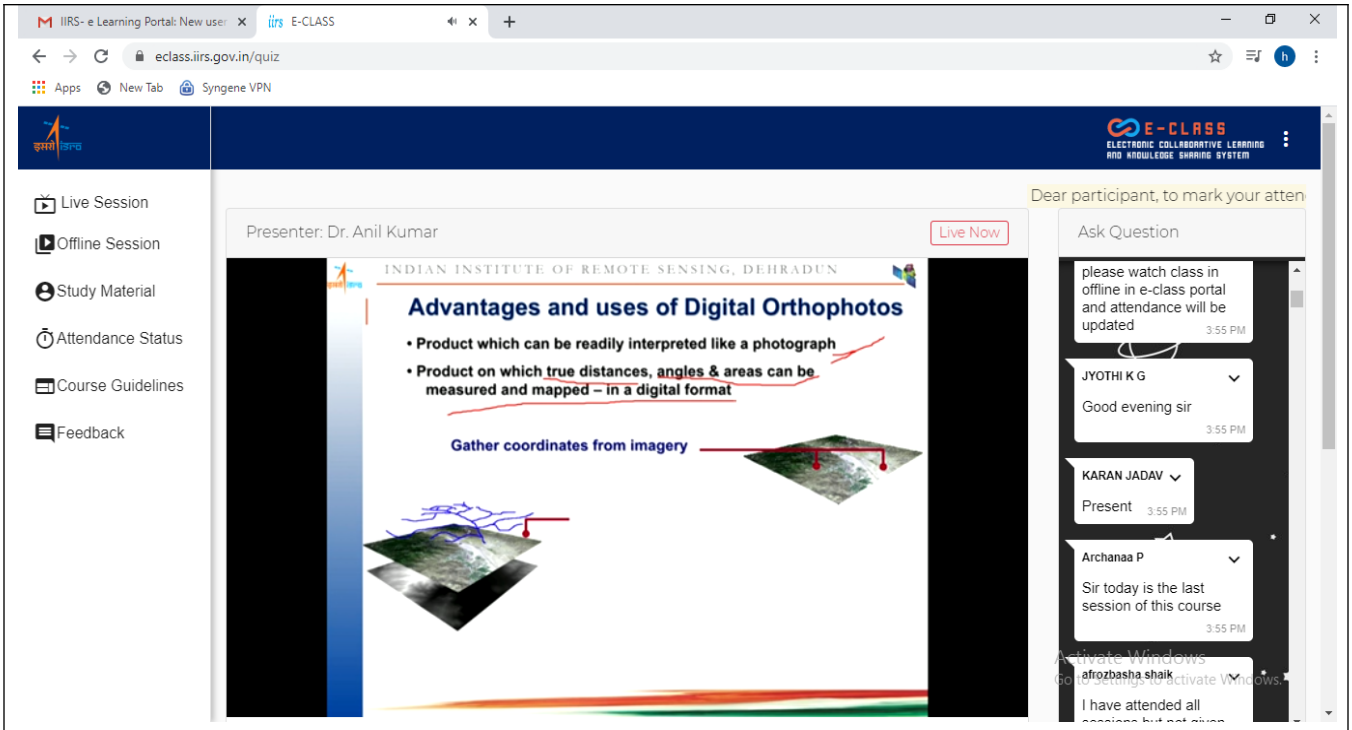
please watch class in offline in e-class portal and attendance will be updated 3:55 PM

JYOTHI K G: Good evening sir 3:55 PM

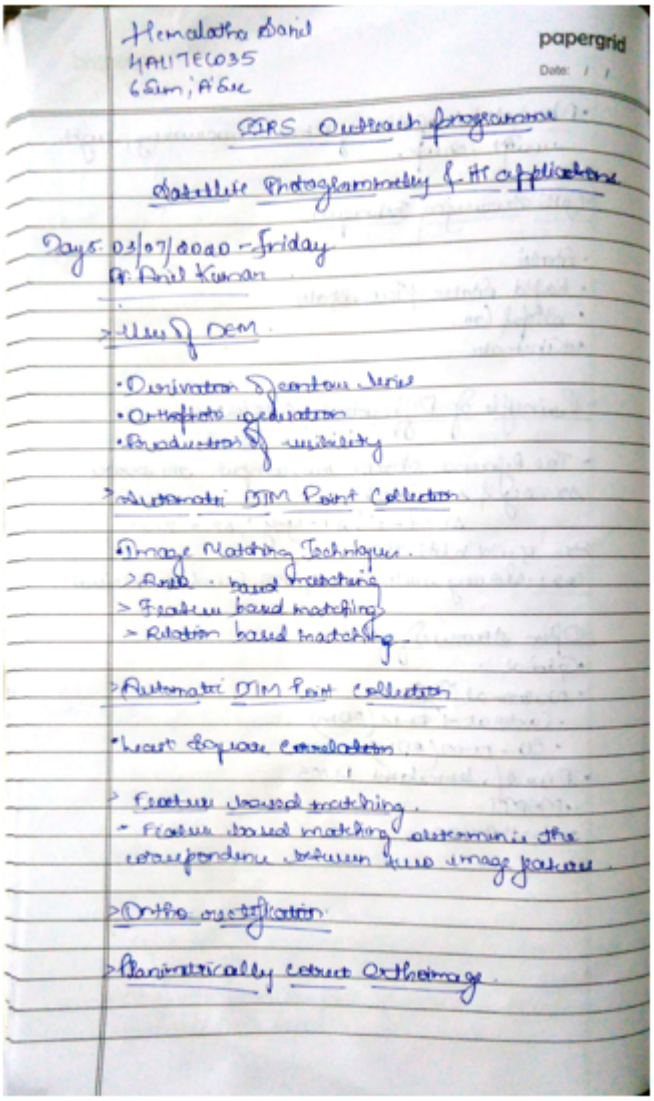
KARAN JADAV: Present 3:55 PM

Archanaa P: Sir today is the last session of this course 3:55 PM

afrozbasha shaik: I have attended all



Report – Report can be typed or hand written for up to two pages.



Hemalatha Bandi
HALITEC035
6Sem, A&G

papergrid
Date: / /

IIRS Outreach programme

Satellite Photogrammetry & its applications

Day 5: 03/07/2020 - Friday
Dr. Anil Kumar

> Uses of DEM

- Derivation of contour lines
- Orthophoto generation
- Production of visibility

> Automatic DSM Point Collection

Image Matching Techniques
> Area - based matching
> Feature based matching
> Relation based matching

> Automatic DSM Point collection

Least Square correlation

> Feature based matching
- Feature based matching determines the correspondence between two image features

> Ortho rectification

> Numerically correct Orthoimage

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Date: / /

> Advantages & uses of Digital Orthophotos

Inputs for generating an Orthophoto.
The input data required for the orthophoto generation using aerial photographs (Hardcopy / Digital):
> Focal length.
> Lens distortions.
> Fiducial marks coordinates.
> Ground.

• Least square Correlation:
When least square correlation for a search window to the reference window, both radiometric (pixel gray values) & geometric (location, size & shape of the search window) transformation are calculated.

* Product which can be readily interpreted like a photograph.
* Product on which true distances, angles & areas can be measured & mapped in a digital format.