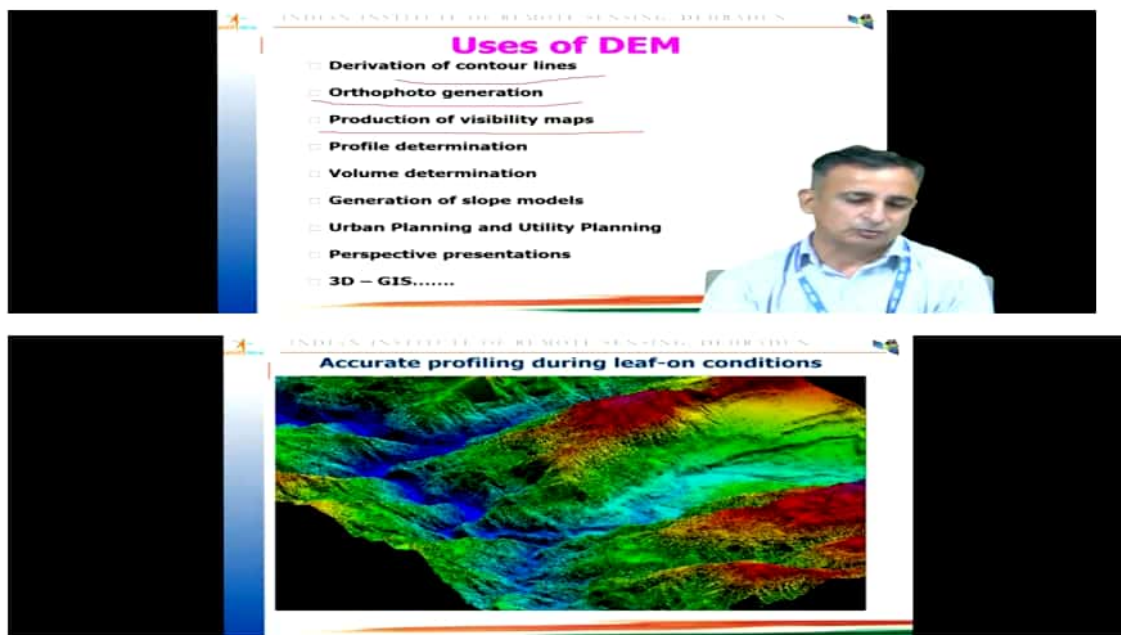


DAILY ASSESSMENT FORMAT

Date:	03/07/2020	Name:	PREETHAM S RAI
Course:	IIRS Outreach Program on Satellite Photogrammetry and its Application	USN:	4AL18EC040
Topic:	Programmetric products from Satellite stereo – images	Semester & Section:	4 th sem 'A' section.
Github Repository:	Psraipreetham		

FORENOON SESSION DETAILS

Image of session



In today's session I have learn

Automatic DTM point Collection

Least square correlation



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Feature based matching

Feature based matching determines the correspondence between image features.

Most feature based techniques match extracted point features as opposed to other features such as linear or complex objects.

The feature points are also commonly referred to as interest points.

Planimetrically correct ortho images

Ortho - rectification creates planimetrically correct images, which displays no relief displacement.

Advantage of digital ortho photos

Product which can be readily interpreted like a photograph.

Product on which distances, angles and areas can be measured and mapped - in a digital format.

Gather coordinates from imagery.

Integrate imagery into larger projects.

Mosaics.

Uses with GPS Ground truthing.

Inputs For generating orthophoto

The input data required for Ortho – photo generation using aerial photographs :

Focal length

Lens distortions

Fiducial marks coordination

Ground control points

Digital elevation model



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Input data required for Ortho – photo generation using Satellite images :

Digital elevation models

Ground control points

Satellite Ephemeris

Radiometrically corrected geometrically uncorrected raw image data



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