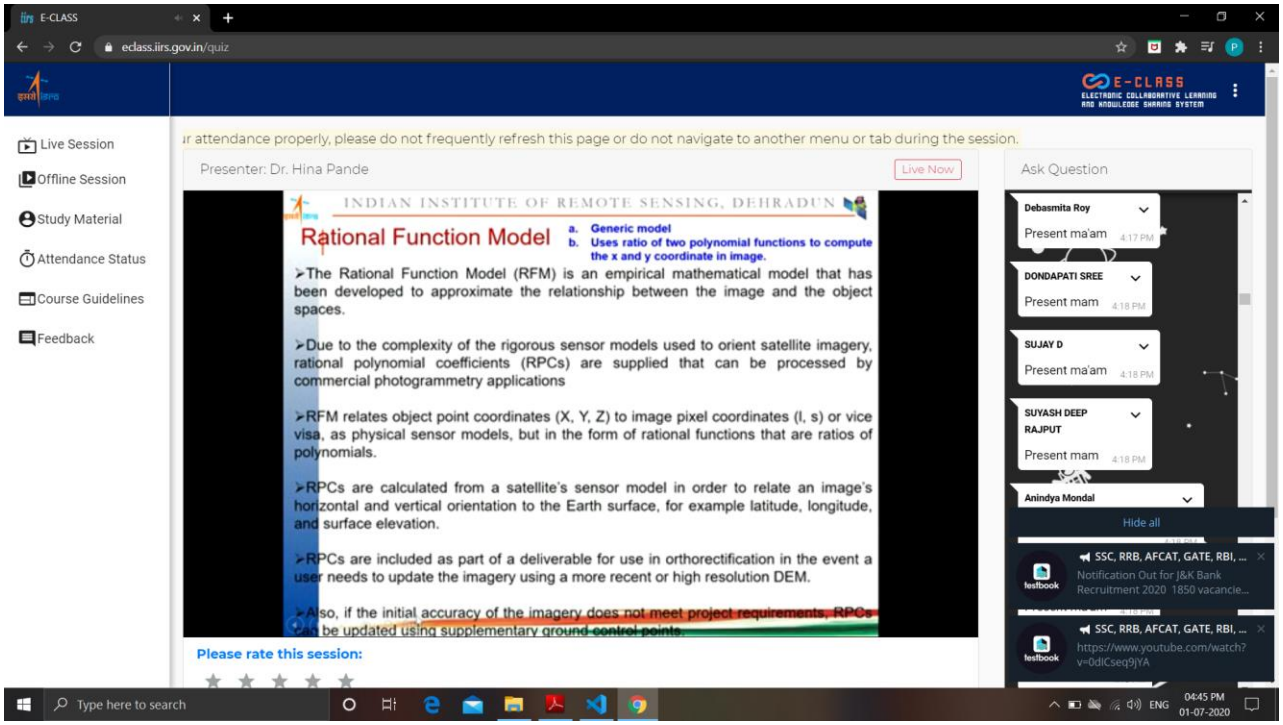
DAILY ASSESSMENT FORMAT

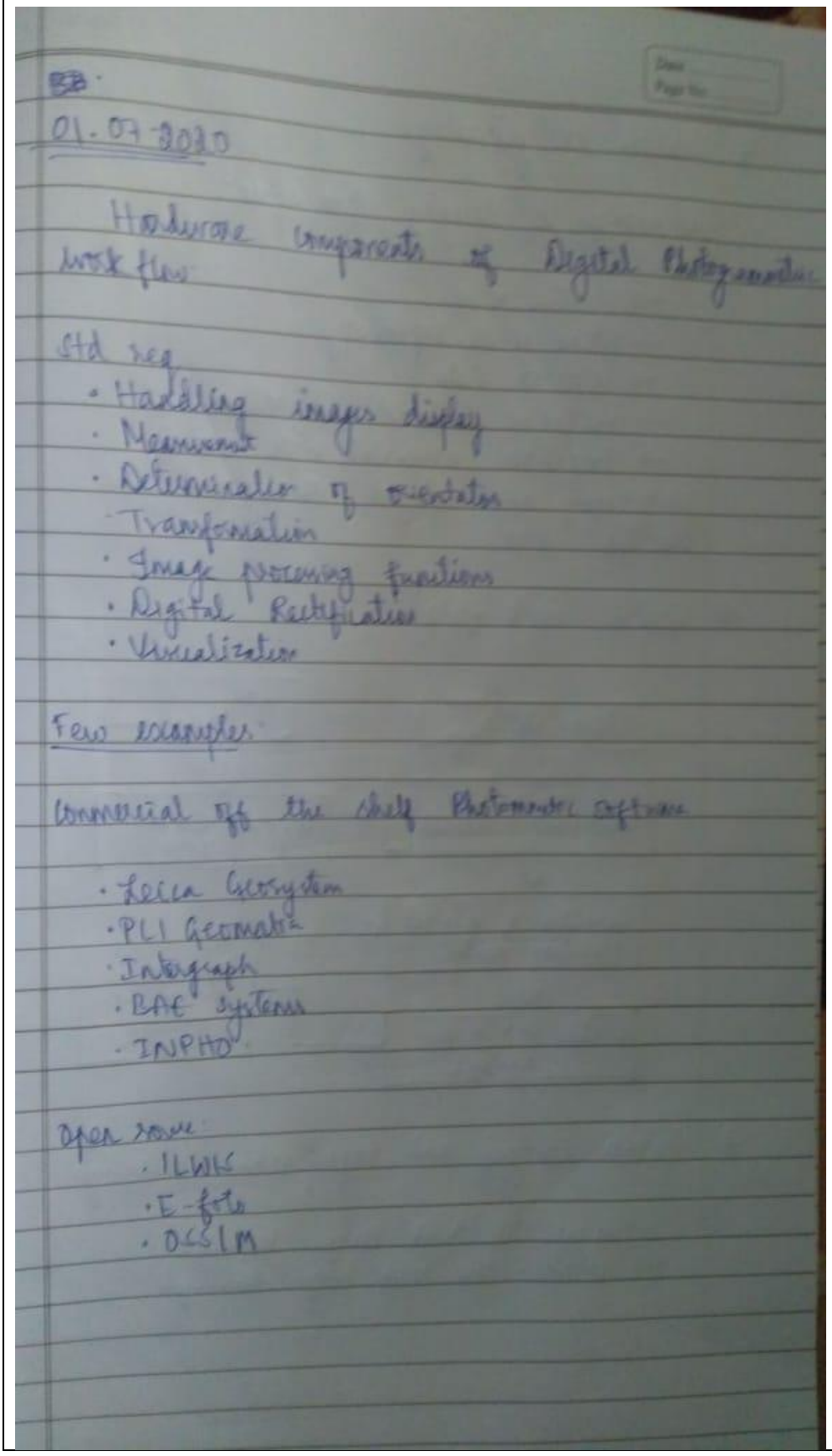
Date:	**01 JULY 2020**	**Name:**	**PAVITHRAN S**
Course:	**SATELLITE PHOTOGRAMMETRY AND ITS APPLICATION**	**USN:**	**4AL17EC068**
Topic:	**CONCEPTS OF SATELLITE PHOTOGRAMMETRY**	**Semester & Section:**	**6TH B**
Github Repository:	**Pavithran**		

FORENOON SESSION DETAILS

Image of session



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



01.07.2020

Hardware components of Digital Photogrammetric work flow

Std req
- Handling images display
- Measurement
- Determination of orientation
- Transformation
- Image processing functions
- Digital Rectification
- Visualization

Few examples

Commercial off the shelf Photogrammetric software

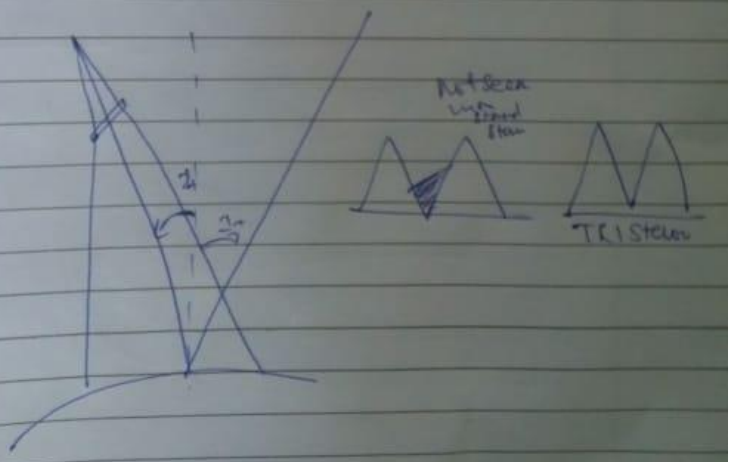
- Leica Geosystem
- PCI Geomatica
- Intergraph
- BAE systems
- INPHO

Open source
- ILWIS
- E-foto
- OSSIM

Satellites

Cartosat-1
IRS 1C/D
TMC on Chandrayaan
IKONOS
World view
Pleiades
EROS-A
ALOS
MOMS-02
SPOT
Terra ASTER

Inclination angle of a stereo scene



Coverage track

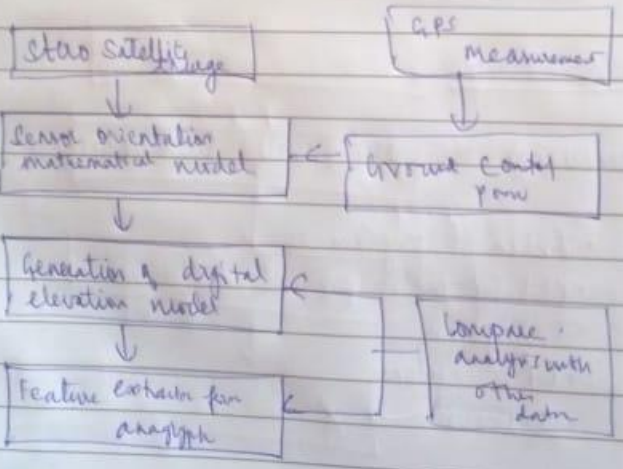
The ~~point~~ of the imaging sensor is orientation off-nadir in the ~~vert~~ track direction.

Satellite Photogrammetry:

Advantages of Imaging from space:

→ Synoptic view
→ Large swath, repeatability
→ Constant scale
→ Negligible lateral distortion
→ Formalities associated with aerial photography and flight arrangement are avoided here

* General work flow



* Stereo imaging and topographic mapping

→ Along the track image technique
→ Across the track image technique