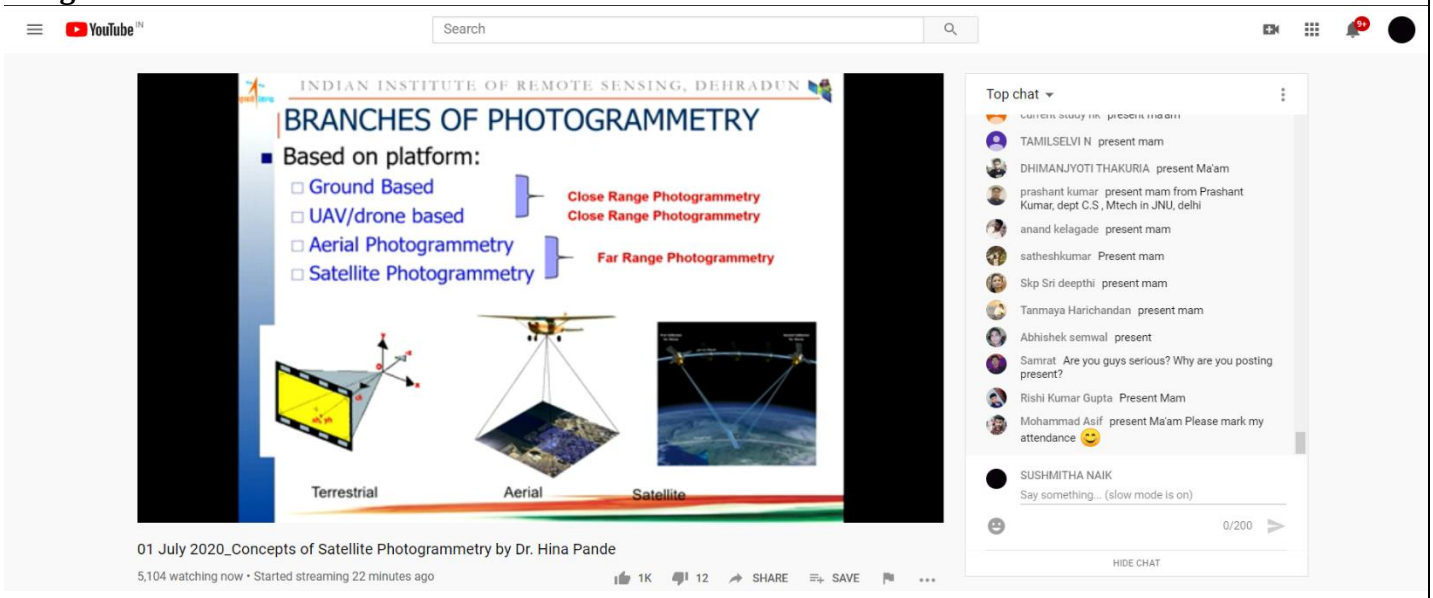
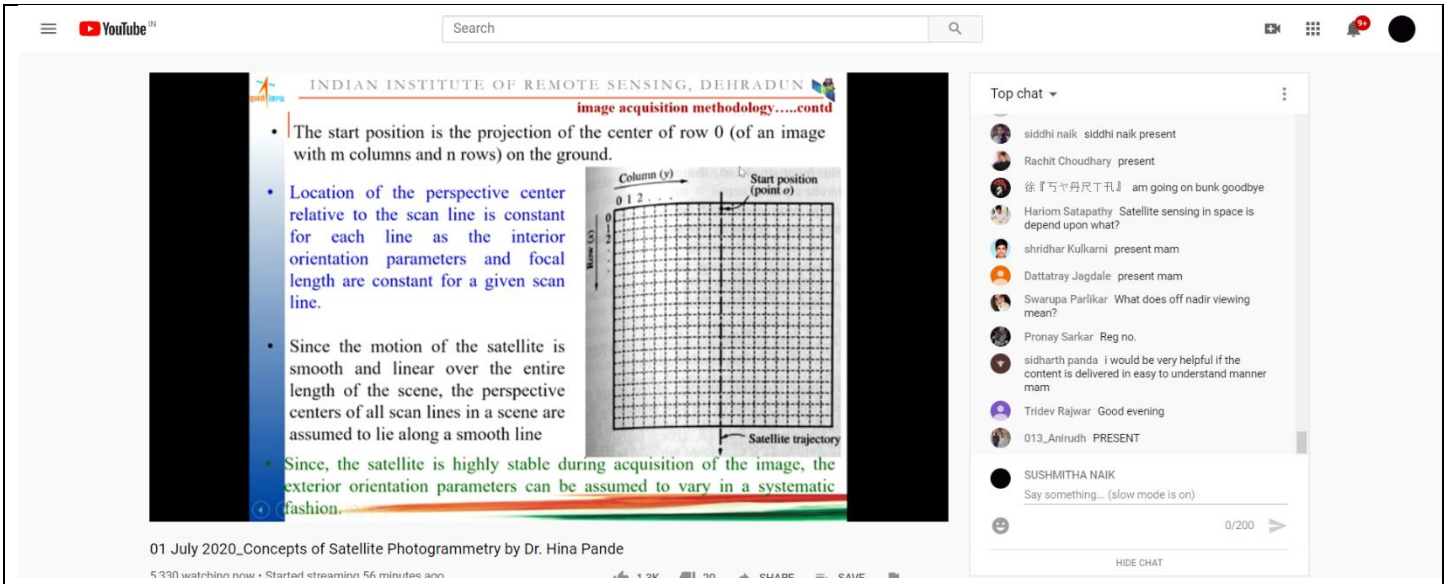
DAILY ASSESSMENT FORMAT

Date:	**1st July 2020**	**Name:**	**Sushmitha R Naik**
Course:	**Satellite Photometery And Its Courses**	**USN:**	**4AL17EC090**
Topic:	**Introduction to Satellite photogrammetry**	**Semester & Section:**	**6th sem & B sec**
Github Repository:	**Sushmitha_naik**		

FORENOON SESSION DETAILS

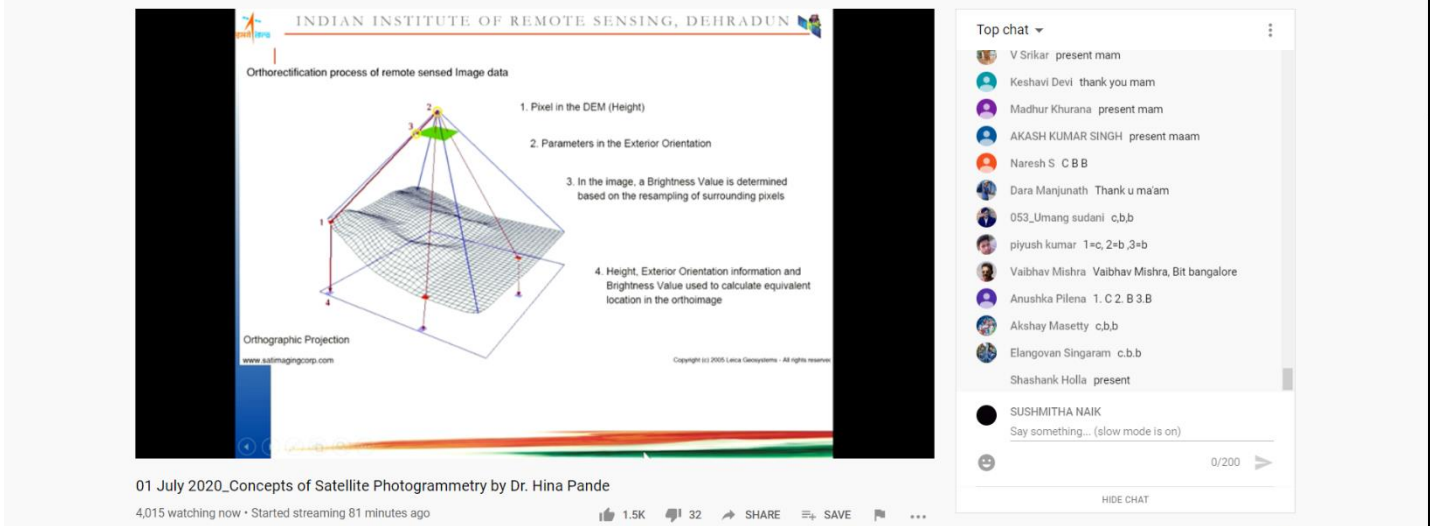
Image of session





01 July 2020_Concepts of Satellite Photogrammetry by Dr. Hina Pande

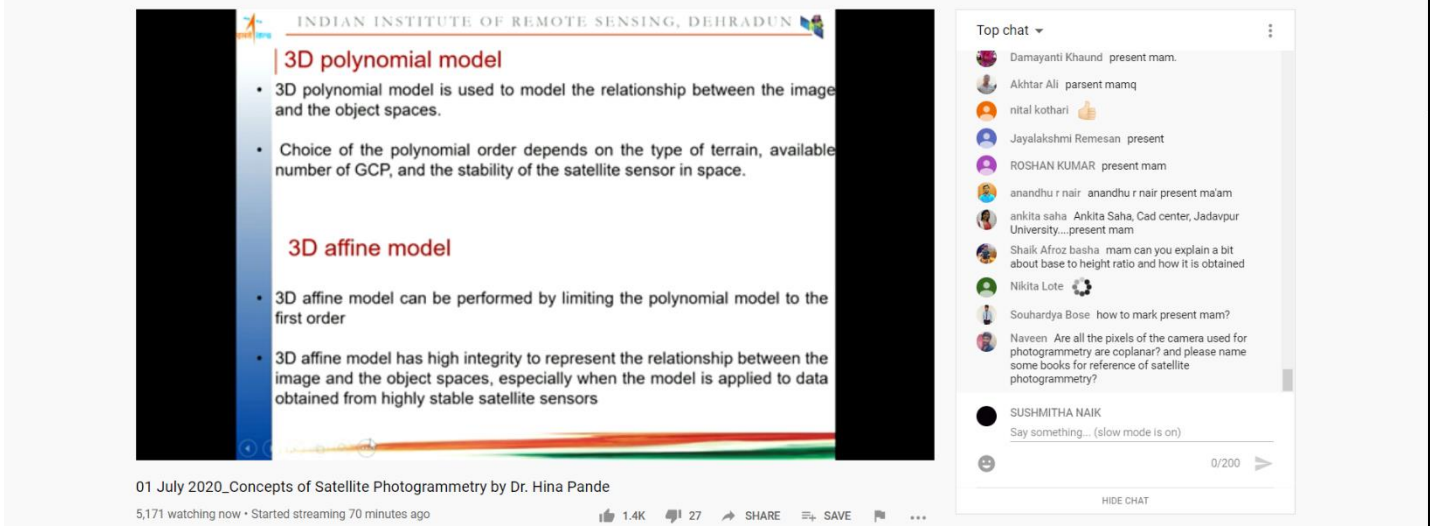
5,330 watching now • Started streaming 56 minutes ago



01 July 2020_Concepts of Satellite Photogrammetry by Dr. Hina Pande

4,015 watching now • Started streaming 81 minutes ago

1.5K 32 SHARE SAVE



01 July 2020_Concepts of Satellite Photogrammetry by Dr. Hina Pande

5,171 watching now • Started streaming 70 minutes ago

1.4K 27 SHARE SAVE

Report:

The primary mission goal of TH-1 is for topographic mapping at 1:50,000 scale without GCPs. In order to achieve its goal, the on-orbit calibration camera parameters based on LMCCD image and EFP Multi-functional bundle adjustment are put forward and realized in ground image processing, and the initial interior and exterior orientation parameters have been further refined. Using the orientation parameters, RPCs of three-line arrays image are generated. Based on stereo image with RPCs, the location accuracy of TH-1 is assessed systematically using many CPs from 5 testing fields. In this paper, the location performance of 1st satellite is presented without GCPs and with different number of GCPs. The results indicate that the horizontal accuracy and the vertical accuracy can fulfil for topographic mapping at 1:50,000 scale without GCPs. The location performance of 2nd satellite is equivalent with 1st satellite, and location performance of 3rd satellite is ongoing evaluating systematically. In addition, variety of products will satisfy for different users in the field of photogrammetry and remote sensing.