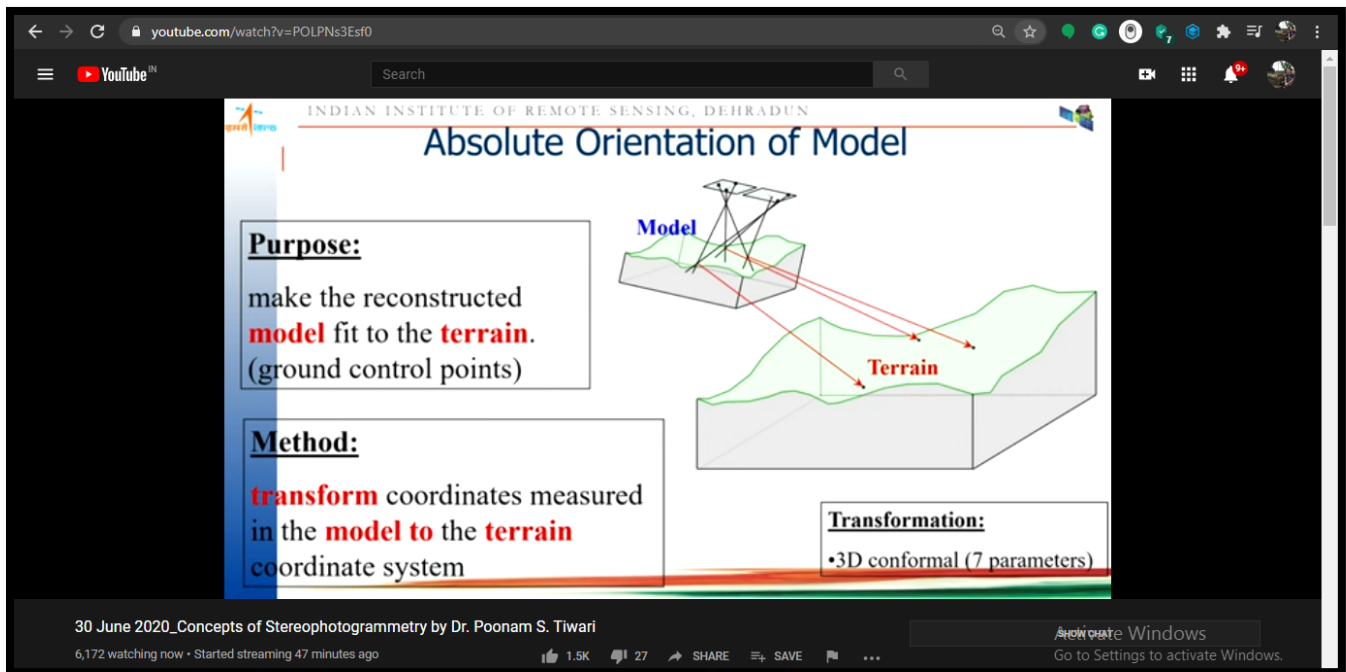


DAILY ASSESSMENT

Date:	30-June-2020	Name:	Swastik R Gowda
Course:	Satellite Photogrammetry and its Applications	USN:	4AL17EC091
Topic:	Concepts Of Stereo Photogrammetry	Semester & Section:	6 th Sem 'B' Sec
Github Repository:	swastik-gowda		

FORENOON SESSION DETAILS

Image of session



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

Stereo Photogrammetry:

- ❖ Stereo photogrammetry is the general term applied to the science of measurement from photographs when an overlapping stereo pair of photograph is used.
- ❖ In contrast to single photographs which can only extract 2D information. Stereo photogrammetry allows 3D information to be extracted.
- ❖ An overlapping stereo pair is a pair of photographs on which the same object or area of terrain is pictured, but from different views or perspectives.

Anaglyph viewing:

- ❖ About 3D view
- ❖ Multiple glasses are fitted
- ❖ We can get 3D model easily

Separation by polarization:

- ❖ Light can be defined in term of practical and also waves
- ❖ Vibrates: Non polarized
- ❖ Doesn't vibrate :Polarized

Alternating images:

- ❖ Right and left images are differentiated using shutters
- ❖ Rotation matrix

Co-linearity Condition:

- ❖ The points will be in a straight
- ❖ The image should be perfectly oriented

Co-planarity Condition:

- ❖ The exposure stations lie on same plane.

Orientation of stereo plane:

- ❖ Recreate the same condition as existed at the time of photography.