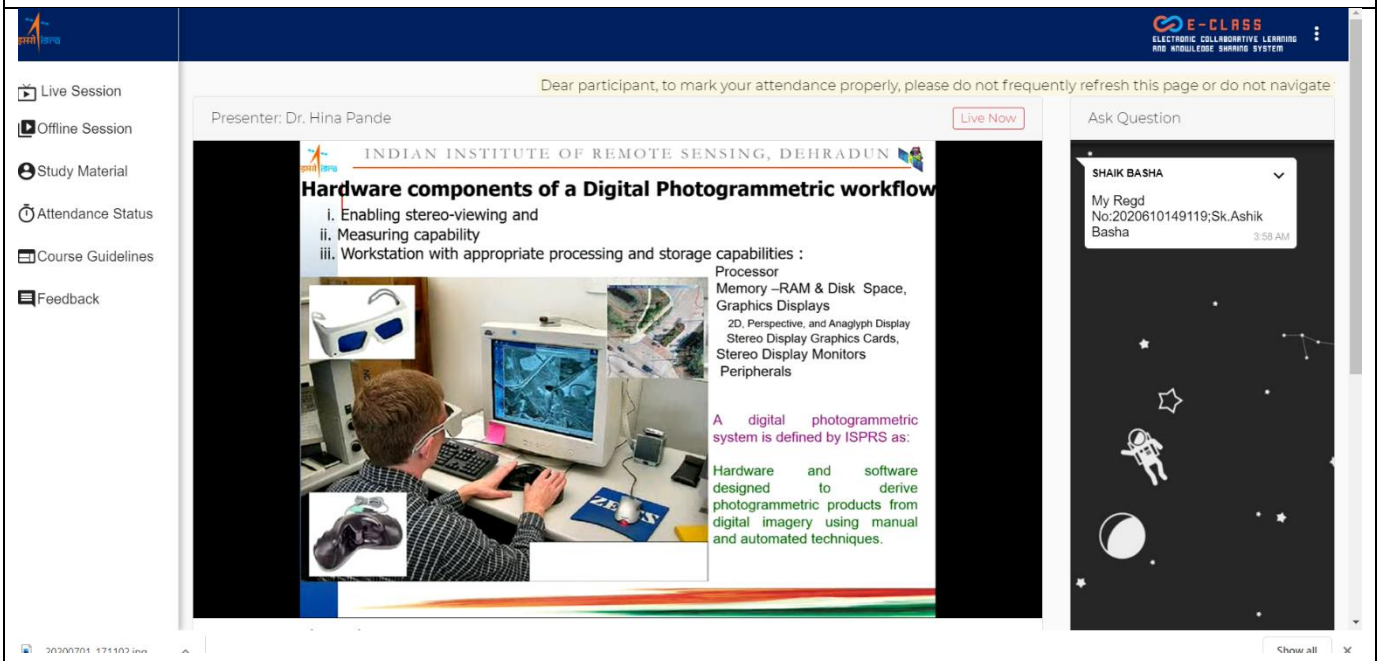
DAILY ASSESSMENT FORMAT

Date:	**01-07-2020**	**Name:**	**BINDUSHRI**
Course:	**Satellite photogrammetry and its application**	**USN:**	**4AL17EC011**
Topic:	**Introduction to the satellite photogrammetry**		**6th A**
Github Repository:	**Bindushri**		

FORENOON SESSION DETAILS



Branches of photogrammetry:

- Ground based
- Uav/drone based

- Aerial photogrammetry
- Satellite photogrammetry

Hardware components of a digital photogrammetry:

- Enabling stereo-viewing&
- Measuring capability
- Workstation with appropriate processing & storage capabilities i.e processor,memory,graphic display.

Software requirement for a digital photogrammetric:

- Handling image display
- Measurement
- Recording pixel co-ordinates
- Transformation
- Image processing functions
- Digital rectification
- Visualization

NADIR-OFF NADIR:

Nadir:point directly below the camera.

Trio-stereo Imagery:

Acquistions reveal elevation that would otherwise remain hidden is steep.

Stereo Coverage:

Two possible configuration:

- Across-track
- Along-track

General mathematical model:

- Rigorous or physical
- RFM
- 3D polynomial model
- 3D affine model

Triangulation:

Provides a model for calculating the spatial relationship b/w a satellite sensor and the ground co-ordinate system for eachline data.