**DAILY ASSESSMENT FORMAT**

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| **Date:** | **03/JULY/2020** | **Name:** | **Santhosh Reddy** |
| **Course:** | **IIRS Outreach Program on Satellite Photyogrammetry and its Application** | **USN:** | **4AL18EC046** |
| **Topic:** | **Programmetric products from Satellite stereo – images** | **Semester & Section:** | **4th sem ‘A’ section.** |
| **Github Repository:** | **SanthoshReddy** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session** |
| * **Least square correlation :**   **\* When least square correlation fits a search window to the reference window, both radiometric and geometric transformations are calculated.**  **\* Product which can be readily interpreted like a photograph.**  **\* Product on which distances, angles and are as can be measured and mapped - in a digital format**    **The input data required for Ortho – photo generation using aerial photographs :**  **- Focal length**  **- Lens distortions**  **- Fiducial marks coordination**  **- Ground control points**  **- Digital elevation model**  **Input data required for Ortho – photo generation using Satellite images :**  **- Digital elevation models**  **- control points**  **- Satellite Ephermeris**  **- Radiometrically corrected geometrically uncorrected raw image data** |