

## GYP 509: Interpretation of Aerial Photography and Satellite Images

### Course learning outcomes:

- CO1. Identify the difference between aerial photographs and satellite imagery
- CO2. Analyze methods interpreting aerial photographs and satellite imagery
- CO3. Analyze aerial photograph with stereoscope
- CO4. Analyze satellite imagery and produce different thematic maps.

| Exercise No. | Title of the Exercise (Total 52 Hrs.)                              |
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| 1            | Comparison of features in topo sheets and Aerial Photographs.      |
| 2            | Comparison of features in Aerial Photographs and Satellite images. |
| 3            | Comparison of features in Topo sheets and Satellite imageries.     |
| 4            | Determination of Aerial Photo scale.                               |
| 5            | Procedures of acquiring Aerial Photographs.                        |
| 6            | Types of Aerial Photographs.                                       |
| 7            | Medium of Aerial Photographic Interpretation.                      |
| 8            | Test for Stereographic View.                                       |
| 9            | Elements of Aerial Photographs.                                    |
| 10           | Stereographic Interpretation of Aerial Photographs.                |
| 11           | Manual Preparation of Land Use Maps.                               |
| 12           | Interpretation of Satellite Imagery.                               |
| 13           | Identification of features through signatures color imagery.       |
| 14           | Preparation of Thematic maps using the satellite imagery.          |
| 15           | Interpretation Methods.  |

### References:

1. Paul R. Wolf (1999): Elements of Photogrammetry, Mc. Grawhill, International Book Company, New Delhi.
2. Averte and GL. Berrin (2001): Fundamentals of Remote Sensing and Aerial Photo interpretation, McMillan, New York.
3. Singh and Sharma (2004): Introduction of Remote Sensing, Rawath Publications, New Delhi
4. George Joseph (2002): Fundamentals of Remote Sensing, University press Pvt. Ltd. Hyderabad-29
5. A Verte and G.L. Berrin (2001): Fundamentals of Remote Sensing and Aerial Photo Interpretation, Mc. Millan, New York.