

Daily Assessment format

Date: 29/06/2020

Course: IIRs

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Topic: Introducing photogrammetric concepts.

GitHub Repository: jyoti-courses

Report

Introducing photogrammetric concepts.

→ Map and Aerial photo differences.

Map: it shows an area as seen vertically from above. different symbols & colours are used to represent various objects on a map.

Aerial photo: They are taken from an aircraft to show objects on the ground. they can be divided into vertical area photos & oblique aerial photos.

Map

- * Orthogonal projection
- * Uniform scale
- * Terrain relief without distortion

Aerial photo

central projection

variable scale

Relief displacement.

→ what is photogrammetry
the science of quantitative analysis of measurements from photographs.

photo → light

gamma → to draw

metron → to measure

→ Distinct Areas

Distinct Areas

- Metric photogrammetry**
- Making precise measurements from photos determine the relative locations of points
 - finding distances, angles, areas, volumes, elevations of objects

- Interpretative photogrammetry**
- Deals in recognizing & identifying objects & judging their significance through careful & systematic analysis

photographic interpretation

Remote sensing

(includes use of multispectral cameras, etc).

→ Branches of photogrammetry

* based on platform

- ground based { close range photogrammetry
- UAV/drone based {
- Aerial photogrammetry { far range photogrammetry
- satellite photogrammetry {

* Based on processing techniques

- Analog system
- Digital system
- Analytical system

	Analog	Analytical	Digital
Ilp	Hard copy (photographs)	Hard copy	digital
processing	Manual (optical or mechanical instruments)	using computers	digital processing.

→ BASIC CONCEPT

- * the primary objective of the technique is to derive precise coordinates of a points
- * this is done by viewing the area from two different angles, thereby creating the same conditions as it existed at the time of photography.

→ photogrammetry vs laser scanning

In photogrammetry, a quality, high resolution, full-frame sensor camera can yield outputs with horizontal (x-y) accuracies in the range of 1cm (0.4in) & elevation (z) accuracies in the range of 2 to 3cm

LIDAR, a high-end system can generate results with horizontal (x-y) & elevation (z) accuracies in the range of 1 to 2cm.

→ photogrammetry products

- * orthomosaic
- * digital surface model
- * digital terrain model
- * topographic maps.

→ Types of Aerial photograph

- 1 vertical
- 2 low oblique
- 3 high oblique

→ Geometrical elements of Aerial photograph.

→ photography as central projection

→ scale of Aerial photograph

$$RF = MD/GD$$

$$RF = PD/GD$$

where PD = photo distance
GD = ground distance

Date: 29/06/2020

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course: webinar

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Topic: Campus to corporate

github repository: jyoti-courseee

Report

Campus to Corporate

→ Campus vs corporate

- | campus | corporate |
|---|--|
| • only learning takes place | learning takes place while earning. |
| • creates the foundation for the future | builds the career & hence the future |
| • A student enjoys more freedom | An employee has to be more responsible |
| • Exams are the major qualifying criteria | evaluation is done on a daily basis |

→ Business etiquette

- communication
- Body Language = 55%
- Tone = 38%
- words = 7%

→ Introduction & first impression

- Greetings: greet with a smile. one can use hello, hi, or good morning.
- punch introduction: the introduction should be such that the second person is curious to know more.

- Nametage: The best way to wear a nametage is on the higher right shoulder.
- Eye contact: Always maintain eye contact with the communicator but don't stare.

→ Handshake

- Release the hand in 2-3 seconds.

→ standard comfort zone of a person

public space
social space
personal space
intimate space

→ Body Language

- A smile is always more pleasant; facial expressions
- Don't look very nervous
- Don't stand/sit with slumped shoulders
- Acknowledgements (nods, mirror expressions)
- Uncross your arms & legs
- Look calm & approachable

→ physical appearance

remember, the first impression is the best impression.

→ Hearing vs listening

→ telephone etiquette

→ Email etiquette

→ Recommended standards

• Recommended subject line tags

URG - stop everything, read me first

REP - need you to respond, either way

FWD - forward to your respective groups

HLP - need information, assistance

FYI - just for your information

ACT - needs action

→ Business meeting etiquette