



# **GOVIND GURU TRIBAL UNIVERSITY BANSWARA**

## **B.A. Three Year Graduate Course Semester - III GEOGRAPHY Skill Enhancement Course (SEC) SEC - I (GEG6606T) REMOTE SENSING & AIR PHOTO INTERPRETATION**

### **UNIT I**

- (i) Basic concept of Historical development of Remote sensing.
- (ii) Process and stages of Remote sensing
- (iii) Electromagnetic Spectrum, properties of electromagnetic waves,

### **UNIT-II**

- (i) Basic principles of Thermal Remote sensing.
- (ii) Characteristics of India remote sensing Imageries
- (iii) Remote sensing platforms, sensors and Resolution. - Geographic
- (iv) Application of Remote sensing in-. Agriculture, Forestry, Resourcemanegment and Environmental studies.

### **UNIT-III**

- (i) Scope and Development of Air photo interpretetation
- (ii) Types and quality of Aerial Photography
- (iii) Tools and geometry of Air photography
- (iv) Stages of production of Aerial photography

राजेश जोशी  
कुलसचिव  
गोविन्द गुरु जनजातीय विश्वविद्यालय  
बोसवाड़ा (राजस्थान)

Books

¼½ çk; kfxd Hkxky ts ih- 'kekZ nòhnÜk pkfu; ky Mh- vkj- [kYy]

½½ I qj I õnu , oa Hkxkyd I puk iz kkyh & nòhnÜk pkfu; ky

¾½ I qj I õnu & Mh-vkj- [kYy]

राजेश जोशी  
कुलसचिव  
गोविन्द बुरु जनजातीय विश्वविद्यालय  
बोसवाड़ा (राजस्थान)



# GOVIND GURU TRIBAL UNIVERSITY BANSWARA

## B.A. Three Year Graduate Course Semester - IV GEOGRAPHY Skill Enhancement Course (SEC) SEC - II (GEG6607T) G.I.S.

### Unit - I

- Introduction and concept of GIS
- History of Cartography and GIS
- The structure of geospatial data GIS file types and organization, metadata
- The Geodatabase

### Unit - II

- Measuring the surface of the earth.
- Geodesy
- Coordinate System
- Shape and Scale
- Projections
- Scale

### Unit - III

- Cartographic principles in GIS Map Design, Map Layout, Labels
- Vector data points, lines and polygons.
- Raster Data - Satellite imagery

राजेश जोशी  
कुलसचिव  
गोविन्द गुरु जनजातीय विश्वविद्यालय  
बोसवाड़ा (राजस्थान)

**Suggested Books :**

- I m j l o n u & p l f u ; k y
- GIS - Dayna Nielson
- Remote Sensing and GIS - Bhatta

राजेश जोशी  
कुलसचिव  
गोविन्द गुरु जनजातीय विश्वविद्यालय  
बोसवाड़ा (राजस्थान)



# GOVIND GURU TRIBAL UNIVERSITY BANSWARA

## B.A. Three Year Graduate Course Semester - V GEOGRAPHY Skill Enhancement Course (SEC) SEC - III (GEG7608T) Field Technique & Surveying

### Unit - I

- Meaning, Scope and Definition of Survey
- History and Development of Survey in India
- Surveying as an Art and Science
- Principles of Surveying

### Unit - II

- Use of plan table in composite survey and related methods.
- Method of Resectioning
- General planning of large area plane surveys.

### Unit - III

- Level of Economic Development
- Current Regional Problems, Water problems, Traffic problems, Health problems
- Index of Social-Economic Survey
- Use of statistical methods in survey.

### Suggested Books :

- *ik; kfxd Hkksy & 'kekZ tsih*

राजेश जोशी  
कुलसचिव  
गोविन्द गुरु जनजातीय विश्वविद्यालय  
बोसवाड़ा (राजस्थान)



# GOVIND GURU TRIBAL UNIVERSITY BANSWARA

---

**B.A.**  
**Three Year Graduate Course**  
**Semester - VI**  
**GEOGRAPHY**  
**Skill Enhancement Course (SEC)**  
**SEC - IV**  
**(GEG7609T)**  
**Field Study**

**Unit - I**

- Types of landscape - physical and cultural landscape
- Basic concept of Geography - Field Study
- Procedure for field study

**Unit - II**

- Aims of field study
- Collection of data
- Analysis of data

**Unit - III**

- Titles of field survey.
- Making of questionnaire
- Use of tables and graphs.

राजेश जोशी  
कुलसचिव  
गोविन्द गुरु जनजातीय विश्वविद्यालय  
बोसबाड़ा (राजस्थान)