

4. Analyse and interpret survey data.
5. Apply land surveying knowledge to geographic research and planning.

### **Course Utility:**

The 30 days Certificate Course on the Introduction to Land Surveying through Plane Table, offered by the Department of Geography at Hon. Shri Annasaheb Dange ACS College, Hatkanangale, is incredibly useful for anyone looking to gain practical skills in land surveying. This course equips students with essential knowledge and techniques required in fields like construction, agriculture, and urban planning. By learning how to accurately measure land and create maps using the plane table method, participants will not only enhance their employability but also contribute to the development of their communities. This course opens doors to numerous opportunities and is a valuable asset for those aspiring to excel in various professions related to land management and development.

### **Syllabus:**

#### **Week 1: Introduction to Land Surveying**

- Overview of land surveying
- Types of surveys
- Importance of accurate measurements

#### **Week 2: Plane Table Surveying Basics**

- Introduction to the plane table
- Setting up the plane table
- Orientation and leveling

#### **Week 3: Plane Table Surveying Techniques**

- Plane table traversing
- Radiation and resection methods
- Sketching and recording data

#### **Week 4: Field Practical and Project**

- Conducting a land survey using a plane table
- Data collection and map creation
- Final project presentation

### **Teaching Methods:**

The 30 days Certificate Course on the Introduction to Land Surveying through Plane Table, conducted by the Department of Geography at Hon. Shri Annasaheb Dange ACS College, Hatkanangale, employs easy-to-understand teaching methods that prioritize practical learning. Our experienced faculty members use a hands-on approach, ensuring that students gain real-world skills in land surveying. Through a combination of classroom instruction, interactive discussions, and fieldwork, participants acquire a solid understanding of surveying tools and techniques. This approach makes learning accessible and enjoyable, even for those with no prior