

CONTENT
TOPOGRAPHY PROJECT
– PRACTICAL ACTIVITY –

CIVIL ENGINEERING

2022

CONTENT

A. GENERAL TOPOGRAPHY

PLANIMETRY

- **SURVEY OF THE PLANIMETRIC DETAILS**
- **DRAWING PLANIMETRY. REPORTING OF THE POINTS OF THE TOPOGRAPHIC PLANS**

1.1. Planimetric survey of details

1.1.1. The radiation method or the method of the polar coordinates

1.1.2. Drawing planimetry. Reporting of the points of the topographic plans

LEVELLING

- **GEOMETRIC LEVELLING**
Principles of the geometric levelling
Middle geometric levelling
- **THE GEOMETRIC LEVELLING TRAVERSE**
- **THE METHOD OF THE PROFILES**

2.1. The traverse method

2.1.1. Simple traverse geometric levelling

2.1.2. Double traverse geometric levelling

2.2. The altimetric survey of the details

2.2.1. The geometric levelling method of radiation

2.2.2. The method of the profiles

2.2.3. Combined methods: geometric levelling traverse combined with geometric levelling radiants

B. ENGINEERING TOPOGRAPHY

TRACING SIMPLE TOPOGRAPHIC ELEMENTS

- **DISTANCES AND HORIZONTAL ANGLES**

3.1. TRACING THE TOPOGRAPHIC ELEMENTS GIVEN WITHIN THE PROJECT

- 3.1.1. Tracing in the field the *horizontal distances* given within the project
- 3.1.2. Tracing in the field the *horizontal angles* given within the project

TRACING SIMPLE TOPOGRAPHIC ELEMENTS

- **HEIGHTS AND SLOPES (VERTICAL ANGLES)**

4.1. TRACING THE TOPOGRAPHIC ELEMENTS GIVEN WITHIN THE PROJECT

- 4.1.1. Tracing in the field the *heights* given within the project
- 4.1.2. Tracing in the field the *slopes* given within the project