

## *Synopsis of the Courses of Lectures*

AND PRACTICAL INSTRUCTION GIVEN IN EACH  
DEPARTMENT,

WITH FEES FOR SPECIAL STUDENTS.

*N.B.—Students who take the Practical Courses may attend the Lectures free of charge.*

### I. ENGINEERING.

#### (I.) DRAWING.

Model Drawing, Machines and Constructions, Map and Topographical Drawing, Designs and Estimates.

Descriptive Geometry, including Practical Geometry (Plane and Solid); Orthographic, Oblique and Perspective Projections; Intersections of Surfaces, Shades and Shadows, Stone Cutting, Principles of Mechanism, &c.

*Text-books and Books of Reference.*—Davidson's Projections.

Binns' Orthographic Projection.

Church's Descriptive Geometry.

Warren's Stone-Cutting.

MacCord's Lessons in Mechanical  
Drawing.

Fee for Special Students, \$10.00.

#### (II.) SURVEYING AND LEVELLING.

##### LAND SURVEYING—

Chain Surveys.

Compass and Theodolite Surveys.

Methods of keeping Field Notes.

Determination of Distances and Areas.

Determination of the Meridian, Local Time and Latitude.

Plotting.