

PLEASE SHARE FINAL INDEX AND SAMPLE CONTENT

Course Overview

Undergraduates:

This foundational course is moulded for undergraduate students seeking a **practical introduction** to Quantity Surveying, Estimation, and BBS. The focus is on building conceptual understanding and practical exposure through simplified tools and real-world formats.

What You Will Learn:

- **Basics of Quantity Surveying:** Understand the role of a QS, types of estimation, and industry applications.
- **Drawing Interpretation:** Learn how to read civil and MEP drawings including plans, sections, and general notes.
- **Measurement Fundamentals:** Master basic units, conversions, and deductions through guided exercises.
- **Civil Shell Works:** Learn the estimation of Earthwork, PCC, brickwork, plastering, and waterproofing.
- **Finishing Items:** Introduction to finishes such as painting, flooring, and door/window schedules.
- **RCC Works:** Understand footings, columns, slabs, beams, and staircase details with sample Excel formats.
- **MEP Work:** Basic understanding of mechanical, electrical, and plumbing drawings.
- **Rate Analysis:** Calculate rates for concrete, plaster, flooring using CPWD/PWD formats.
- **BOQ & Abstract Sheet Preparation:** Develop BOQs and total cost sheets from project data.
- **Excel for Estimation:** Use Excel for formulas like SUM, IF, Pivot tables, and graph creation.
- **Practical Case Sample:** Working estimation for a G+1 structure.

Methodology:

- Use of real drawings.
- Simple construction case examples.
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Beginner:

This training is designed for beginners with no prior or less QS knowledge. It builds from basic concepts to real project formats used in the industry. Ideal for fresh graduates, and those transitioning into QS engineer roles.

What You Will Learn:

- **Introduction to Quantity Surveying:** Basics, industry importance, types of estimations, and workflows.
- **Drawing Interpretation:** Read and interpret civil & MEP drawings along with BOQ understanding.
- **Measurement Techniques:** Gain clarity on units, conversions, thumb rules, and deductions.
- **Civil Structure Estimation:** Learn estimation of earthwork, PCC, plaster, and waterproofing including anti-termite treatment.
- **Finishing Items:** Costing and measurement of painting, gypsum work, glass, doors, windows, and facades.
- **RCC Works:** Cover footings, rafts, columns (including irregular shapes), beams, slabs, staircases, and retaining walls.
- **MEP Work:** Plumbing and electrical work basics including conduits and wiring.
- **Detailed Rate Analysis:** Understand rate analysis for various civil works with plaster and blockwork.
- **Abstract Sheet & BOQ:** Learn standard BOQ formats and cost summaries.
- **Excel for QS:** Excel training for SUM, IF, pivot tables, and graph generation.
- **Sample Working:** Estimation case studies on G+1 and G+4 buildings.

Methodology:

- Excel-driven practice sessions.
- Real construction project formats and rate schedules.
- Visual learning through civil & MEP drawings.
- Review of assignments
- Internship can be facilitated