Bluebeam Revu Quantity Take-off & Excel Workflow for Quantity Surveying

1. TARGET AUDIENCE:

This course is designed for quantity surveyors, civil engineers, estimation engineers, BIM professionals, project coordinators, contractors, and fresh graduates who want to master digital quantity take-off and estimation workflows using Bluebeam Revu. It is also beneficial for construction professionals transitioning from manual estimation methods to digital construction documentation and take-off processes.

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2. COURSE OBJECTIVE:

The objective of this course is to provide a complete understanding of quantity takeoff and estimation workflows using Bluebeam Revu. It focuses on measurement tools, area and volume calculations, count take-off, Excel integration, substructure and superstructure quantity extraction, and preparation of construction-ready BOQs and estimation reports.

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3. COURSE OUTCOMES:

By the end of the course, learners will be able to perform linear, area, volume, and count take-offs accurately; use dynamic fill and advanced measurement tools; organize and export quantities into Excel; prepare BOQs with formulas and custom columns; execute substructure and superstructure quantity take-off workflows; and complete end-to-end quantity estimation projects with proper documentation and reporting.

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4. COURSE OUTLINE:

The course comprises **16 hours** of theory and hands-on lab sessions and is divided **into 10 modules**. Each module includes practical exercises covering measurement tools, quantity take-off workflows, Excel-based estimation, substructure and superstructure quantity extraction, automation techniques, and complete end-to-end construction estimation case studies using Bluebeam Revu.

Module 1: Course Orientation

- Objectives & Learning Outcomes
- Bluebeam Revu Interface Overview
- Project Setup & Scaling Essentials

Module 2: Linear Measurement Tools

- Measuring Lengths & Dimensions
- Best Practices for Accuracy
- Productivity Tips

Module 3: Area Measurement Tools

- Calculating Floor Areas
- Roof & Wall Surface Take-off
- Automation Features

Module 4: Volume & Count Take-off

- Volume Calculations for Concrete & Fill
- Counting Elements (Doors, Windows, Fixtures)
- Advanced Count Settings

Module 5: Specialized Measurement Tools

- Polygon & Polyline Tools
- Dynamic Fill Method
- Custom Measurement Profiles

Module 6: Exporting to Excel

- Exporting Quantities
- Preparing Worksheets with Custom Columns
- Formula Integration for BOQs

Module 7: Substructure Quantity Take-off

- Foundations & Footings
- Columns & Necks
- Grade Beams
- Slab on Grade

Module 8: Superstructure Quantity Take-off

- Columns & Stairs
- Slabs & Floor Systems
- Architectural Works (Brickwork, Plaster, Tiles)

Module 9: Advanced Excel Workflow

- Custom Columns for Material Organization
- Reusable Formulas for Estimation
- Exporting Project Quantities for Analysis

Module 10: Practice & Case Studies

- Hands-on Exercises with Real Drawings
- Practice Questions for Self-Assessment
- Case Study: End-to-End Workflow
