



EDGE
SCHOOL OF
CONSTRUCTION
MANAGEMENT

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CPQS

CERTIFIED

Professional Quantity Surveyor

COURSE BROCHURE



Course Overview:

Develop the skills for a career in quantity surveying. Learn to measure and estimate building work, and to cost, price and tender for construction projects. Our understanding of the construction industry ensures that what you learn is relevant to your future career.

As a quantity surveyor, you will be responsible for construction costs and the management of building contracts for clients. In this course in Quantity Surveying, you find out how to measure and estimate building work, and how to cost, price and tender for projects. Learn to undertake the financial administration and cost control of projects under construction. Gain the skills to become an adaptable team member, and develop the ability to deal with clients, builders, subcontractors and authorities.

OBJECTIVES

Being a job oriented Programme; it equips graduates to become site engineers and quantity surveyors with government departments, construction companies and consultants.

The certified professionals of this Programme will have competency in:

- Estimation of quantities, preparation of BOQ and submission of tenders.
- Building economics from conceptual stage until completion.
- Post-contract functions, monthly valuations

WHAT STUDENTS WILL LEARN

- Estimation of quantities, preparation of BOQs and submission of tenders
- Calculation of quantities for sub structure, super structure, internal finishes, external finishes, reinforcement steel,, etc.
- Quantity Estimation on CAD Drawings
- Post-contract functions: monthly valuations and project variance reports
- Contracts Administration
- Software applications in Quantity Surveying(REVIT, CAD & Excel)
- LIVE PROJECT during the course

Opportunity to start your career after training in the following departments

- **Estimation Department**
- **Cost Control Department**
- **Tendering Department**
- **Contracts Administration Department**
- **Invoice Certification Department**
- **Procurement Department**

DURATION: 50 Days

ELIGIBILITY

- Graduate or Engineers of any stream preferably from Civil/Architecture with or without work experience.
- OR Diploma in Engineering from State Board of Technical Education

Course Aims & Objectives

At the completion of this course, the student will:

- Estimation of quantities, preparation of BOQs and Submission of tenders.
- Calculation of quantities for sub structure, super structure,
- internal finishes, external finishes, reinforcement steel,, etc.
- Quantity Estimation on CAD Drawings & Revit models.
- Post-contract functions: monthly valuations
- Contracts Administration.
- Software applications in Quantity Surveying (CAD & Excel)
- Live Project during the course.

Course Outline

- **Introduction to Engineering project including project cycle & bidding documents.**
- **Methods of measurement of the works.**
- **Quantities surveying for the following different works**
 - **Earth works Calculations**
 - Calculation of Excavation Quantities for Spread Footings & Mat/Raft Foundations
 - Calculation of Soil Treatment Quantities
 - Calculation of Backfilling Quantities
 - **Concrete works Calculations (PCC & RCC)**
 - Calculation of Footings Concrete Quantities
 - Calculation of Tie Beams Concrete Quantities
 - Calculation of Column neck Concrete Quantities
 - Calculation of Plinth Beams Concrete Quantities
 - Calculation of Slab on Grade Concrete Quantities
 - Calculation of RC Core Wall Concrete Quantities
 - Calculation of Retaining Wall Concrete Quantities
 - Calculation of U/G Water Tank/Sump Concrete Quantities
 - Calculation of Floor Columns Concrete Quantities

- Calculation of Floor Beams Concrete Quantities
- Calculation of Floor Slabs(Cast-in-situ & Pre-Cast Hollow Core Slab)
- Calculation of Staircase, Ramps & Lift Core Concrete Quantities
- **Masonry works Calculations**
 - Calculation of Brickwork for Internal, External, Parapet & Boundary Walls Quantities
- **Plastering works Calculations**
 - Calculation of Brickwork Plastering, Wall Plastering & Ceiling Plastering Quantities
- **Tiling works Calculations**
 - Calculation of Floor Tiles, Dado Tiles & Wall Tiles Quantities
- **Thermal & Moisture Protection works Calculations**
 - Membrane Waterproofing Quantities
 - Vapour Barrier, Dampproofing Bitumen Paint Calculations
- Metal works Calculations
- Internal & External Finishes Calculations
- Wood & Plastic works Calculations
- Doors & Windows works Calculations
- Painting works Calculations
- Glazing works Calculations
- Specialties works Calculations
- **Steel Calculations of Sub-Structure & Super Structure elements.**
- **Application on Engineering project (LIVE PROJECT).**
- **Preparation of Payment certificate (Billing & Invoicing).**
- **Preparation of Bill of Quantities as per CSI Divisions.**
- **Construction contracting methods, and contracts types.**
- **Tender Documents**
- **Types of Contracts**
- **CAD & MS Excel Training**



EDGE
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MEET OUR CORE FACULTY

Mohammed Zubair

Education Entrepreneur/
Founder of EDGE School of Construction Management

MS in Construction Management, UK
B.E. in Civil Engineering (Osmania Univ)
Project Management Professional (PMP)
Professional Scrum Master (PSM1)



TOTAL NO. OF QUANTITY SURVEYING BATCHES CONDUCTED

100+

TOTAL NO. OF PROFESSIONALS TRAINED

2000+

WORK EXPERIENCE **15** YEARS

Worked in INDIA, USA, KSA & UK on Major Projects in Planning/ Estimating Contracts roles. A dynamic Project Management Professional with over 15years Professional Experience in Managing Projects, having expertise in Project/ Contracts/ Cost/ Resource Management. Conducted over 300 batches for Construction Professionals

Areas of
Expertise

Construction Management.
Project Planning & Scheduling.
Building Information Modelling.
Earned Value Analysis.
Contracts Administration.
Tendering Management.

Variation & Claims
Budgeting & Costing.
Risk Analysis.
Resource Analysis.
Quantity Surveying.
Dispute Resolution.



EDGE School of Construction Management

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