

SCOPE OF QUANTITY SURVEY !

- Quantity Surveying is a highly respected profession in the Construction industry.
- It's not just about taking off quantities, it is a little bit of everything... from Construction technology to Procurement to Cost Estimation, Budgeting & Reporting to Contracts and much more. It is a very specialized and diverse field in itself.
- It Make u applicable to calculates the cost of project in terms of budget, time and bills. They perform commercial risk analysis. They directly prepare Engineers for the various positions like **Quantity Surveying, Billing Engineer, Project Manager, Estimators, Tendering, Contract Managers-Civil and More.**

• i) Quantity Surveyor and Cost Estimation Why Quantity Survey and Estimation ?

- ✓ Cost estimation is used to predict the quantity, cost and price of the resources required by the scope of a project.
- ✓ Cost estimation is needed to provide decision-makers with the means to make investment decisions either to invest according to budget or not
- . ✓ Estimation Tells you the rate for every item before constructions .
- ✓ Estimation tells you about what project is to take in tender and what not .
- ✓ Estimation Shows you the profit what you get in future .
- ✓ Quantity Survey Tell you abouts IPCS ("Interim Payment Certificates") construction Cost of contractor about Work they have done .
- ✓ Estimations tells you where to overlap .
- ✓ It's Tells you about Steel shape you have to fixed in Structure .
- ✓ Estimation Tells you about BOQ (bill of quantity of project)
- ✓ It involves proceeding work as per drawing on site to understand BOQ at given site .

Course OFFERS TO !

This Course offer to Civil Engineers , DAE, and For Quantity Surveyor , In order to Increase the job chances after getting skill of the Following Given Outline ! This Course Leads to beginner to Expert Level !

Course outline !

- Calculate of Concrete , Number of cement bags , SAND AND number of aggregates in Given Volume .
- Calculation of Number of Bricks with mortar and without mortar

- Calculation of number of bags of cement used in mortar
- Calculate Plaster (Cement and Sand)
- Calculation of Boundary Wall (isolated method)
- Calculation of boundary wall (Continuous method)
- Steel in beam BBS (Beginner Level)
- Calculate volume of Stairs
- calculate circular stairs
- Percentage Of steel in column ,Beam ,Slab and RCC
- Calculate Steel in given BBS at site (TONS)
- Sewerage System
- Unit of Steel Concept (When in numbers , when in bars and when in ft)
- Steel In column BBS Beginner Level)
- Steel In Slab (Beginner LEVEL)
- Concrete In slab
- Calculate load on column Of Concrete and Steel
- BBS OF BEAM (EXPERT LEVEL)
- (Overlapping Concept)
- BBS OF COLUMN (EXPERT LEVEL)
- (Overlapping Concept)
- BBS OF SLAB (EXPERT LEVEL)
- (Overlapping Concept)
- How to calculate weight of beam
- BILLING
- IPCS
- L Shaped Wall
- Frame Structure
- (Column +Footing)
- Frame Structure
- DOME
- Shell

● Highway Estimate

- C Zone Estimate
- B Zone estimate
- A zone Estimate
- CUT AND FILL OF ROAD
- HOW TO READ CROSS SECTION OF ROAD and Estimate layers
- Clearing and Grubbing

- Natural Ground Compaction
- Sub grade bottom
- Subgrade Top
- Sub base
- Asphalt calculation (Number of Dampers)
- Prime Coat
- How to check prime coat is able to use or not
- Retaining Wall Calculation
- Aggregate Base Calculation
- Asphalt Base course
- Asphalt wearing Course

● Building Estimation in Detail

- Excavation PCC(1:4:8) RCC(1:2:4)
- Brick work
- DPC Super structure up to Roof
- RCC Slab
- Plaster
- Floor Lean (1:4:8)
- Floor (1:4:8) at Slab level
- Steel Calculation
- Chairs between steel
- Column of raft
- Ring in steel of raft
- Paints
- White Wash
- Marble
- Tiles

● BRIDGES AND CULVERTS

- *Estimate of Bridge and Culverts*
- *Excavation*
- *PCC*
- *Stone work in piers*
- *Stone work in abutment wings*
- *RCC in beams and Deck slab*
- *RCC work in post railing and Wearing Coat*
- *Railing and kerb barriers*

- *Steel analysis for RCC Work*

COURSE BY !

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Graduated from UET PESHAWAR

Course duration 1 month