About Management:

IQS advantage of having been founded by an Er.S. MSR M.Tech(St..), who has to his credit the rich experience of having been the head of the Quality Job Oriented Education to the young Engineers and prepare to face future challenges. His desire is that each student of the IQS INSTITUTE to Reach the greater heights with his hard work, time management and discipline.

Courses : Online & Off Line

## Quantity Surveying & Estimation (QS)

* Understanding the Role of IQS-Tirupati, Quantity Surveying in the Construction Industry
* SUBSTRUCTURES AND SUPERSTRUCTURES FUNDAMENTALS AND DETAIL DESIGN STUDY OF BUILDINGS
* Drawing Communication
* Checklist of All Kinds of Civil Works at Site.
* Construction Methodologies of Civil Works and How it works in Construction Industry
* Making Project Chartered and Feasible Reports
* Project Risk Analysis and Action Reports
* Understanding and Reading the Structural Drawings
* Quantity Take off From the Drawings like PCC, RCC, Reinforcement, Shuttering Etc.
* Quantity Take off From the Architectural Drawings (Like Brickwork, Plaster Painting Putty Work Etc.)
* Faster Take off Methodologies from Drawings of Civil
* Analysis of All Kinds of Civil Drawings with Proper Presentation in Excel Formats
* Estimation of All Kinds of Civil Works
* Calculator Making of Concrete Steel, Brickwork, Plaster Painting Etc.
* Costing Techniques of All Kinds of Civil Works (Concrete, Brickworks, Earthwork, Finishing Work, Wood Work, and Steel Work, Demolishing Works Etc.)
* Labour Deployment Planning As per Budget
* Labour Output Analysis as per IS Code, Schedule of Rates and As per IQS-Tirupati New Technique

Machinery Output Analysis as per Market Standards, MACHINERY OUTPUT ANALYSIS (JCB, POCKLAME, ROLLER, CONCRETE MIXTURE)

* R.A Bills And Bill Certification (Clint, Sub-Contractors Bills)
* Profit and Loss Analysis (Cost Analysis) in Labour and Machinery Deployed at Construction Site
* Daily Work Report (DWR) Preparation as per Quantity Surveyor Standards
* Bar Bending Schedule (BBS) of All RCC Structures Like Footing Beams Slabs, Columns, Raft, Footing, Staircase Etc.
* ​Bill of Quantity (BOQ) Take off (Material and Preparation)
* Rate Analysis of All Kinds of Civil Works
* Material Reconciliation Techniques from Contractor and Client's Side
* Material Procurement Strategies as per the techniques used in Quantity Surveying

## Project Planning & Management (CPM)

* Critical Thinking and Problem Solving Approach
* Strategically Thinking and Risk Analysis
* Project Planning - Master Plan Generation
* Project Management Procedures Used for Construction Industry by Big MNC's and Construction Companies of India and World
* Role of Project Manager in Construction Industry
* Project Budget Preparation with all factors analysis in Hand
* Actual Situation Comparison with Budget Amount
* Progress Monitoring with the Key Indicators Strategy
* MS Project Basics - Scheduling
* Project Coordination Techniques with Accounts , HR , Purchase and Procurement Departments with easy solutions
* Management Information Generation
* Modern Building Construction Trends Execution Plan & Strategy Building
* Resettlement and Rehabilitation (R&R)  for speedy progress of work
* Quality Assurance with Total Quality Control Planning
* Site (Field) Management Techniques used by Project Managers at Site
* Management of Emergencies in High Rise Buildings
* Self Inspection for Quality Construction at Site
* Cost and Time Controlling Strategies used for Construction Projects
* Cash Flow Monitoring - Budget Vs Actual Comparison
* Green Sheet Report - Profit and Loss Determination for Construction Projects

## Land Surveying + Total Station Surveying (TS)

## (Land Survey + TS + CAD + SOFT + GPS + GIS)

* Parts of Total Station.
* Instrument setup, Levelling, Cantering, Spot Levelling
* Distance Measuring
* Angle Measuring
* Topographical Survey
* Boundary Survey
* Stack Out
* Building Marking, FMB (Field Measure Book)
* Alignment Survey for (Roads, Canals, Bridges, Bunds etc,.
* Grid level Survey
* Cross Sections, profile survey,
* Contours Survey By using Software
* Land Survey

## Auto CADD

CAD is technology concerned with using computer systems to assist in the creation, modification, analysis, and optimization of a design. Any computer program that embodies computer graphics and an application program facilitating engineering functions in design process can be classified as CAD software.

The most basic role of CAD is to define the geometry of design – a mechanical part, a product assembly, an architectural structure, an electronic circuit, a building layout, etc. The greatest benefits of CAD systems are that they can save considerable time and reduce errors caused by otherwise having to redefine the geometry of the design from scratch every time it is needed.

* Architectural Plans, Sections, Elevations, and 2D & 3D Modeling
* Structural Drawings, (Detailed Drawings of Footings, Columns, Beams, Roof Slabs, Staircases, etc.)
* Reinforcement Drawings, (Reinforcement detailing of Footings, Columns, Beams, Roof Slabs, Staircases, etc.)
* Shop Drawings, (Plumbing and Sanitations)
* Drawings of Typical Staircases, (Spiral Staircase, Dog-Leg Staircase, X-Type Staircase, Semi Round Staircase.

## STAAD PRO

* 1. Introduction
* 2. Elements of the STAAD.Pro Screen
* 3. Starting a New Project
* 4. Defining Structure Geometry/ Modelling
* 5. Setting the Project Units
* 6. Assigning Member Specifications
* 7. How to specify member releases
* 8. Additional Member Specifications
* 9. Assigning Supports
* 10. Assigning Loads
* 11. Creating the First Load Case
* 12. Creating the Second Load Case
* 13. Creating the Combination Load Case
* 14. Performing the Analysis
* 15. Design
* 16. Design Viewing the Output File
* 17. Preparing Structural Drawings

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