

Upskill today to Enhance tomorrow

infini's Online Certification Program

MS Project

Estimation & QS

Primavera P6

Billing & Costing

Revit Architecture

Adv. Concrete Technology

Quality Control

Tenders & Contracts



infini Institute of Construction Project Management

Recognised centre of EAL, UK

Infini Institute, Pune (MH) is a recognised centre of EAL, UK and is the pioneer institute offering 1 yr. internationally certified training course in Construction Project Management and specialised short term skill enhancement programs for Civil Engineers, Architects, Students and Faculties.

Online Certification Program in

MS Project

for Project Management



Course Duration:
25 hrs

Trainer:
B T Ade

Program Outcomes:

Learn to define the project, set scope, WBS, list & link activities, assign resources, set calendars, set a baseline and track project, update project, do resource levelling, report generation.It opens the door of opportunities to become a planner.

Eligibility: Working professionals from construction industry & architectural firms, Civil engineering & Architectural final year students and faculties.

Hrs.	Lesson / Content to cover	Skill(s) covered	Any sp. Activity other than regular session
02 hrs	Introduction to Project Management; Project Constraints; Schedule Model; Critical Path Method	Understanding requirements of project and schedule; Estimating Project duration & use of floats	Introduction & start
02 hrs	Introduction to MS Project & User Interface; Create New Project; Define Project Scope & WBS; Create Project Calendar; Identifying and sequencing activities	Defining project scope and WBS; Creating calendar; Sequencing of activities	
02 hrs	Resource - Types, estimation, assignment in MSP; Estimate activity duration	Estimation and allocation of resources; Finding activity duration	Internal Quality audit 1, Feedback 1
02 hrs	Network Compression; Resource Optimization Technique; Fast tracking	Optimising project network & resources	
02 hrs	Project Crashing; Develop a Project Schedule	Optimising project network & resources	
02 hrs	Use of MSP features - Highlight, filter and Grouping, One week / one month look ahead, create new filters, Grouping of activities according department/Contractors, Create new groups	Identifying impact of the changes on the schedule; creating new filters; new groups	
03 hrs	Review, Mid term test, Feedback 2		Review, Mid term test, Feedback 2
02 hrs	Use of MSP features - Bar Styles; Setting for (i) normal & critical activities; (ii) WBS activities, (iii) milestone activities	Creating new graphical representation of activities	Internal Quality audit 2
02 hrs	Customize column-texts, flags, Indicators; duration, dates, costs	Creating new graphical indicators for tasks and resources	
02 hrs	Project Monitoring and Controlling; Setting baseline; Monitoring tasks & resources	Setting up baseline and tracking project	
02 hrs	Activity Types : Fixed unit, Fixed duration, Fixed work & Activity Constraints	Fixing of activity attributes	
02 hrs	Report generation for - Cash Flow; Progress; Resource histogram; Resource Graphs & Usages	Creating project reports	Concluding training, Final test, final feedback

Preparations to attend online class:
Laptop, Internet, Ear phone, PDF Reader, Relevant Software

Online Certification Program in

Revit Architecture

for 3D modelling in BIM



Course Duration:
25 hrs

Trainer:
Siddhant Pawar

Program Outcomes:

Learners will learn start to end process of making Revit 3D model. They will get hands on using various modelling elements, view controlling of modelling visibility, Modelling walls, doors and windows, roof, ceiling & floor, Stairs, Complex walls etc., Documentation and tagging, using Annotation, Sheet Creation and composition, plotting and working with families. It opens the door of opportunities to become a Revit modeler.

Eligibility: Working professionals from construction industry & architectural firms, Civil engineering & Architectural final year students and faculties.

Hrs.	Lesson / Content to cover	Skill(s) covered	Any sp. Activity other than regular session
02 hrs	Introduction to BIM & Revit Architecture; Working in one model with many views	Introduction	Introduction & start
02 hrs	Using functions & menus of Revit -Ribbon & Quick Access Toolbar, Properties Palette, Project Browser, Navigation Views, Selection toggles; view extends and cropping regions. Creating a new project and accessing Multiuser Projects.	Actual start of revit 3d modelling from basic	
02 hrs	Modelling walls, doors and windows - Adding Walls, Using snaps, Wall Properties and Types, Locating Walls, Modifying Tools, Adding D&W, Plumbing Fixtures and other components, Linking in Revit	Modelling of element	Internal Quality audit 1, Feedback 1
02 hrs	Modelling roof, ceiling & floor: Working on Footprint Roofs, Ceilings, Floors, Extrusion Roofs, Attaching Walls to Roofs, Using Slope Editing tools, Working with Stairs	Modelling of element	
02 hrs	Working with Complex walls : Creating Custom Basic Wall Type, Stacked Walls, Curtain Walls, Curtain Grids, Mullians and Panels, Wall Sweeps and Reveals, Model Lines	Modelling of element	
03 hrs	Views, visibility and Graphic controls : Using Object tiles; Visibility & Graphics, View Templates, Hiding and Isolating objects in a model, View Range, Displaying Objects	View controlling of and modelling visibility	Review, Mid term test, Feedback 2
02 hrs	Working with rooms: Adding Rooms, Controlling Room Numbering, Understanding Room Bonding Elements	Room and Area Calculation and tagging	Internal Quality audit 2
02 hrs	Documentation: Understanding Tags, Adding & Modifying Schedule Views, Creating Key Schedule, Using Images, Adding Sheets, Place Order Sheets, Aligning Views, Exporting to AutoCAD	Documentation and tagging	
02 hrs	Annotations: Adding Text, Adding Dimensions, Symbols ad Legend Views	Annotation	
02 hrs	Detailing: Creating Detail Callout, Adding Detail Component, using Arrays to Duplicate Parametrically, Adding Filled and Masking Regions	Annotation and callout views creation	
02 hrs	Plotting: Plotting Sheets, Creating PDF, Presentations: Walkthrough / Flythrough, Rendering, Sun and Shadow Settings, Topography and Plants	Sheet Creation and composition	
02 hrs	Working with families : Creating a New Family, using reference Planes, Parameters and Constraints, Adding Solid Geometry, Cutting Holes using Void Geometry, Adding Blends	Family creation, Parametric and Non Parametric basics	Concluding training, Final test, final feedback

Preparations to attend online class:
Laptop, Internet, Ear phone, PDF Reader, Relevant Software

Online Certification Program in Concrete Technology



Course Duration:
25 hrs

Trainer:
Sachin Kate

Program Outcomes:

Learners will understand concrete ingredients, their properties and its types used in modern construction. They will come to know properties and testing of water, aggregate and other admixtures. They will study formwork requirements, concrete designing, mixing, handling, transporting, placing, compacting and curing of concrete. IS 102626 guidelines and tips to avoid failure of concrete will be taught. It enhances your ability to become a Concrete Engineer / Consultants.

Eligibility: Working professionals from construction industry & architectural firms, Civil engineering & Architectural final year students and faculties.

Hrs.	Lesson / Content to cover	Skill(s) covered	Any sp. Activity other than regular session
02 hrs	Basics of Concrete, Ingredients, Cement, Aggregates, Water, Admixture, Mineral Admixtures	Concrete knowhow	Introduction & start
02 hrs	Types of Cement, Classification, Types of Cement, Testing, Properties (Chemical & Physical) IS code Parameter for Cement, Problems due to BAD cement	Types of concrete	
02 hrs	Aggregate, Classification, Sourcing, Size. Shape, Texture, Strength, Test, Water Absorption & Moisture Correction, Handling, Storage	knowhow of Concrete aggregates	Internal Quality audit 1, Feedback 1
02 hrs	Water, Quality of Water, Effects of Water on concrete, Electromagnetic Water, Sea Water, Recycled Water	Water for concrete	
02 hrs	Admixtures, Plasticizes, Super Plasticizes, HRWR, Compatibility, Types, Dosage, Magic of Admixtures	Concrete admixtures	
02 hrs	Workability, Slump Cone Test, Flow Table Test, Segregation, Bleeding, Cracks, Shrinkage	Concrete test	
03 hrs	Ready Mix Concrete, Batching, Mixing, Transportation, Pumps & Pipeline, Form work Requirements	RMC knowhow	Review, Mid term test, Feedback 2
02 hrs	Placing , Compaction of Concrete, Finishing, Curing of Concrete	Handling concrete	Internal Quality audit 2
02 hrs	Strength of Concrete, W/c Ratio, Factors of Concrete, ACT, Cube Test, NDT, Core test, Failures of Cubes	Testing of concrete	
02 hrs	Durability, RCPT, Water Penetration, Design & Detailing	Concrete properties	
02 hrs	Mix Design of Concrete, Std Deviation, Acceptance Criteria, IS 102626 guidelines	Mix Designing	
02 hrs	Special Concretes , Applications, SCC, Light Weight, HVFA etc used in world famous structures	Special applications	Concluding training, Final test, final feedback

Preparations to attend online class:
Laptop, Internet, Ear phone, PDF Reader

Online Certification Program in Project Management using Primavera P6



Course Duration:
25 hrs

Trainer:
Nikesh Bihare

Program Outcomes:

Learners will learn various features of Primavera P6 for creating new project and WBS, Activity sequencing & scheduling, generating Critical path, Levelling resource & their analysis, project budgeting, applying project baselines, monitoring & Tracking of Project Progress, customizing P6 window and report generation. It opens up gateways of project planners' and managers' posts.

Eligibility: Working professionals from construction industry & architectural firms, Civil engineering & Architectural final year students and faculties.

Hrs.	Lesson / Content to cover	Skill(s) covered	Any sp. Activity other than regular session
02 hrs	Introduction to Project Management; Project Scheduling, Primavera P6 Application and Navigation		Introduction & start
02 hrs	Enterprise Data and Project Data; Creating Organization; Breakdown Structure; Creating Enterprise Project Structure; Defining Calendar	Creating Project & its calendar	
02 hrs	Setting up Project and Project Attributes; Define Work Breakdown Structure; WBS Dictionary/Attributes; Adding activity/task to Work Packages	Creating WBS	Internal Quality audit 1, Feedback 1
02 hrs	Setting up Columns and Layouts; Introduction to Activity types;Defining Milestones; Relationship and Dependencies; Lag and Leads	Activity sequencing & scheduling	
02 hrs	Introduction to Critical Path Analysis; Activity Constraints Schedule Health Check	Critical path generation	
03 hrs	Define Resources and Roles; Assign Resources or Roles to Projects; Resource Levelling	Resource levelling	Review, Mid term test, Feedback 2
02 hrs	Resource Analysis and Resource Levelling; Project Budget	Resource analysis, project budgeting	Internal Quality audit 2
02 hrs	Project Health Check; Activity Codes; Group and Sort function; Setting up Gantt Chart; Maintain Baseline; Assign Baseline	Assigning Project baseline	
02 hrs	Update Project Progress; Activity % Complete Types; Update Activity %Complete, Update Actual Resources; Monitor Project Progress	Monitor & Tracking of Project Progress	
02 hrs	Creating User Defined Field; Creating Global Change	Cutosmization	
02 hrs	Apply Global Change to Project; Introduction to Earned Value Analysis, Report generation, Project health checks	Apply global change and earned value analysis	
02 hrs	Project Communication; Create Different Reports; Import/ Export Project	Report making & import & export the project	Concluding training, Final test, final feedback

Preparations to attend online class:
Laptop, Internet, Ear phone, PDF Reader, Relevant Software

Online Certification Program in

Estimation & QS

of Building projects



Course Duration:
25 hrs

Trainer:
Swanand Purandare

Program Outcomes:
Learners will learn Bar Bending Schedule (BBS) of various items & complex reinforcement, rate analysis of major items, principles of measurement, IS codes, estimation & factors affecting it, the role of an estimator. It enhances your competency to be a Estimator / QS engineer.

Eligibility: Working professionals from construction industry & architectural firms, Civil engineering & Architectural final year students and faculties.

Hrs.	Lesson / Content to cover	Skill(s) covered	Any sp. Activity other than regular session
02 hrs	QS/Estimation engineer's responsibilities, various cost heads, process of preparing practical and realistic estimate, technique to ascertain correctness of estimate	Know about cost heads	Introduction & start
02 hrs	Quantification for earthwork items.	Technique to estimate quantities	
02 hrs	Quantification technique for concrete and formwork	Bifurcating and measuring concrete and formwork	Internal Quality audit 1, Feedback 1
02 hrs	Quantification technique for masonry, plastering and waterproofing	Quantity take off, mode of measurement	
02 hrs	Quantification technique for finishing items	Quantity take off, mode of measurement	
03 hrs	Understanding concept of BBS. Excel based format, BBS for foundations and columns	BBS of footing & column	Review, Mid term test, Feedback 2
02 hrs	BBS for beams, one way and two way slabs	BBS of beam and slab BBS	Internal Quality audit 2
02 hrs	BBS for continuous slabs	BBS of slab reinforcement	
02 hrs	Concept of rate analysis, direct costs, indirect costs, overheads and profit. Rate analysis for concrete works and AAC blockwork	Rate analysis	
02 hrs	Rate analysis for brickwork, internal plastering and external plastering	Factors affecting rate analysis	
02 hrs	Rate analysis for tiling, skirting, doors	Analysing rate for finishes	
02 hrs	Costing for sub-contracted items such as earthwork, services, painting, fabrication, landscaping, windows. Compiling and preparing abstract sheet for project estimate	Market trends in costing	Concluding training, Final test, final feedback

Preparations to attend online class:
Laptop, Internet, Ear phone, PDF Reader, MS Office 2013 onward

Online Certification Program in

Billing & Costing

of Real Estate Projects



Course Duration:
25 hrs

Trainer:
Ajaykumar Patil

Program Outcomes:
Learners will come to know billing process & cycle, bill raising & submission, approval and certification, costing and value engineering by administration of contract, reconciliation, claims administration, tracking of budgeted v/s actual project cost. It opens up opportunity of cost control engineer's post.

Eligibility: Working professionals from construction industry & architectural firms, Civil engineering & Architectural final year students and faculties.

Hrs.	Lesson / Content to cover	Skill(s) covered	Any sp. Activity other than regular session
02 hrs	Introduction to Project , Work-order , Contract Document, Mode of Measurement and Necessity of Billing and it's Pre-requisites	Contract Document	Introduction & start
02 hrs	Types of Billing required to be Prepared at Project Sites for Various Purposes as per Billing Cycles	Billing Types	
02 hrs	Drawing Study and Preparation of Measurements as per items executed at Site in Standard Measurement Book Forma	Quantity Survey	Internal Quality audit 1, Feedback 1
02 hrs	Study of BOQ Items , Preparation of Abstract Sheet as per various items executed as per Work Order Rate, Contractual Recoveries, Bill Cover Note	Bill Submission	
02 hrs	Bill Certification Process, Debit Notes, Reconciliation of Material, Recovery of Advances	Bill Certification	
03 hrs	Deviated / Extra Items, Market Rates, Analysis of Rates, Claims	Rate Analysis / Contract Administration	Review, Mid term test, Feedback 2
02 hrs	Bill Payments , Final Bills , Project Closeout Process and Documentation Requirements	Report Requirements	Internal Quality audit 2
02 hrs	Introduction to Costing in Project, Preparation of Zero Budget and it's approval process	Cost Control	
02 hrs	Value Engineering as per the data received , options available or project requirements	Value Engineering	
02 hrs	Change Management - Quantity Variation , Reconciliation, Claims , Rate Variations	Quantity Survey / Contracts Administration	
02 hrs	Tracking , Monitoring and Reporting - Purchase / Contracts Requisition, Advance Warning, Cashflow as per Cost to Complete	Project Costing	
02 hrs	Closure Report - Budget Vs. Actual, Profit and Loss Statement, Project Learnings	Project Closeout	Concluding training, Final test, final feedback

Preparations to attend online class:
Laptop, Internet, Ear phone, PDF Reader

Online Certification Program in

Quality Control in Construction



Course Duration:
25 hrs

Trainer:
Amit Haridas

Program Outcomes:

Learners will understand the concept of quality control in construction, various tool, quality audit method and manuals, QC checklists of pre, during and post execution and good practices of various major items, defects & Remedial measures, Conformity Assessment, documentation. They will also learn tests and mix designing. This will add skills of quality control engineer.

Eligibility: Working professionals from construction industry & architectural firms, Civil engineering & Architectural final year students and faculties.

Hrs.	Lesson / Content to cover	Skill(s) covered	Any sp. Activity other than regular session
02 hrs	Introduction to Quality	QMS, FishBone Diagram, Why Why Analysis,	Introduction & start
02 hrs	Contributors to Quality at a Construction Site		
02 hrs	Quality Plan, Quality Audits, Quality Manual, PDCA cycle, auditing	Quality Manual & Audit Methodology	Internal Quality audit 1, Feedback 1
02 hrs	Excavation, Backfilling and Compaction: Quality control, tests and checklist, Precautions and Good practices, documentation	Selection of Compactor, Relevance of testing	
02 hrs	RCC Works: Concrete Mix Design	Concrete Mix Design Methodology and checks	
03 hrs	Formwork: Types, Quality control, checklist -pre, during and after, compliance	Formwork quality checking	Review, Mid term test, Feedback 2
02 hrs	RCC Works: Coordinates, Pre & post pour checking, Reinforcement, Concrete Quality, Precautions and Good practices, documentation	RCC quality control	Internal Quality audit 2
02 hrs	Defects in RCC Work	Concrete mix designing	
02 hrs	Brickwork and Blockwork: RM, Properties and Impact on work, test properties and compliance, Good practices, Basic Checks, defects & Remedial measures, documentation	Block working-quality control	
02 hrs	Tiling: Quality in Execution, Basic Checks, Good practices, defects & Remedial measures, Conformity Assessment, documentation	Tiling-quality control	
02 hrs	Plastering: Types, Factors affecting Quality and Reliability, Good practices, Conformity Assessment, documentation	Plastering-quality control	
02 hrs	Waterproofing: Types, Basic Controls & Checks, Good practices, Conformity Assessment, documentation	Waterproofing quality control	Concluding training, Final test, final feedback

Preparations to attend online class:
Laptop, Internet, Ear phone, PDF Reader

Online Certification Program in Tenders & Contracts



Course Duration:
25 hrs

Trainer:
Sushil Kulkarni

Program Outcomes:

Learners will understand tendering, bidding and contracting process, their structures and applications. They will also learn cost applications of contract conditions & post award Contract Management. Introduction to legal aspects, arbitration & International Contracting - FIDIC is given to them. This opens up door of posts of Contracts engineer & prospective Tender / Contract Manger.

Eligibility: Working professionals from construction industry & architectural firms, Civil engineering & Architectural final year students and faculties.

Hrs.	Lesson / Content to cover	Skill(s) covered	Any sp. Activity other than regular session
02 hrs	Types of Tenders and structure of Tenders. Tender Notice.	Grasp structure, suitability & applications of tender, drafting tender notice	Introduction & start
02 hrs	Study of Tender documents, General & Special ConditionsA5:E8	Study tender documents	
02 hrs	Tender Specifications, Drawings , BoQ	Undestand cost implications of contract conditions	Internal Quality audit 1, Feedback 1
02 hrs	Preparation of Tender Documents	Learn preparing tender	
02 hrs	Preparation of Bid: Site investigation, Working of direct and indirect costs,	Prepareing a winning bid, Prepare Direct and Indirect costs	
03 hrs	Rate analysis as per BoQ and specifications, Review and Test	Basics of rate analysis, rationalisation of bid price	Review, Mid term test, Feedback 2
02 hrs	The Bid process: Invitation to bidders, Pre-qualification process, Pre-bid conference	Preparation of pre-qualification documentation. Preparation of Pre-bid queries	Internal Quality audit 2
02 hrs	Bid submission, opening of Bids, Bid evaluation, Award of contract	Evaluation of Bids, Awarding contract	
02 hrs	Post Award Activities: Kick off meeting at HO, Mobilisation Plan, Approval of Contract Schedule, Budget, Project Cash flow, Financial aspects of contract	Post award contract Management	
02 hrs	Legal aspects of Contract: Indian Contracts Act, Arbitratration	Handling Legal aspects, Preparation for Arbitration Documents	
02 hrs	FIDIC contract Document, Contractual letter writing	Knowledge of International Contracts	
02 hrs	Contracts Management: Role of Contracts Manager, Claims Management, EOT claims, Extra Items, Escalation claims, Variation in scope	Handling Legal aspects, Preparation of claims	Concluding training, Final test, final feedback

Eligibility: Working professionals from construction industry & architectural firms, Civil engineering & Architectural final year students and faculties.

Preparations to attend online class:
Laptop, Internet, Ear phone, PDF Reader

Trainers

B T Ade

ME Civil, PMP®,
Microsoft Certified
Professional,
Oracle Primavera Specialist



19+ yrs of on field & training experience at national and international level. He has expertise into using Primavera and MS Project tools for Project Planning & Control, Project Management, risk and delay analysis.

Siddhant Pawar

BE Civil



8+ yrs of national and international experience in Precast production, Designing and detailing and Training. Expert in Revit (Architecture, Structure & MEP), Tekla (Precast, Rebar & Steel)

Sachin Kate

BE Civil, PGDCM, MBA Finance
Director
- Conexiq Solutions Pvt. Ltd.
Concrete Consultant



18+ yrs of corporate experience in SPCL, L&T, Lafarge and 4+ yrs as a Concrete Consultant, trainer. He owns firm in the name of Conexiq that serves consultancy in concrete solutions from mix design to quality control & cost control.

Nikesh Bihare

BE (Mech), PMP®, Scrum
Fundamental Certified, Oracle
Certified Specialist, Oracle
Sales Specialist, Oracle Cloud
Sales Specialist



11+ yrs of experience in installation and implementation of Primavera for Project Planning, Monitoring, Control and its Management with international clients.

Swanand Purandare

BE Civil,
PGDACM-NICMAR,
CQS- RICS



11+ yrs of national and international level experience in execution, QS, Contracts, Tendering, Billing. He has handled projects such as Airport, Hotel, Hypermarket, Industrial, Residential and Commercial.

Ajaykumar Patil

BE (Civil),
Dip - Contracts Management



Freelance Corporate Associate & Trainer
24+ yrs of varied experience in Construction Project Management, Cost Estimation & Budgeting, Value Engineering, Contract Administration and Dispute Resolution, Cost Audits.

Amit Haridas

Lead Consultant- Concrete info,
Certified Concrete Technologist,
Consultant & Trainer



19+ yrs. of experience in QA, Quality Audits, Compliance, Conceptualize, Design & Implementation of Business Processes.

Sushil Kulkarni

BE Civil,
PGDCP



25+ yrs of experience in Road, Industrial, Canal, Residential, Windmill, Power project, Refinery, Water supply projects. Worked at various levels from Engineer to VP with companies like Dodsai, Patron, Viraj Projects.

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Demo session on **You Tube** channel