

Estimation

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|---|---------------|
| Quantity Surveying Estimation & Billing | 40 hrs |
| Estimation using Newton’s Auto Scan | 50 hrs |
| Excel & Adv. Excel | 20 hrs |

Estimation & QS studies at Infini helped me upgrade my skills, broaden my perspective and build confidence in becoming a professional Engineer. Practical based approach, new proven tools and techniques and training of latest software created the best career platform for me as a Quantity Surveyor.

- **Vijaykumar Kshirsagar**
Billing Engineer, Samarth Infra Group

Development of Job Skills

- Taking off quantities
 - Using IS codes
 - Analysing rates
 - Preparing BBS & BOQ
 - Project budgeting & costing
- Billing
 - Documenting
 - Use of Excel, Auto CAD, Newtons's Auto Scan

Job opportunities?

Quantity surveyors, Estimation engineers, Billing engineers, Cost estimators particularly in the Real Estate sector.

BIM

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| Building Information Modeling (BIM) | |
| - Revit Architecture | 30 hrs |
| - Revit Structure | 20 hrs |
| - Revit MEP | 20 hrs |
| - MS Project | 20 hrs |
| - BIM using Neviswork | 20 hrs |
| - BIM for Construction Management | 110 hrs |

BIM in the construction industry

With the construction industry being forecast to continually grow over the coming years, BIM has become a vital process which brings together information about every component of a built asset. BIM creates an environment which monitors the construction supply chain to identify opportunities to improve efficiencies.

BIM Certification will represent a construction business' ability to replicate the entire life cycle of a built asset through 4D modeling and digital data collection, enabling real time decisions to be made, improving accuracy and saving time and money.

Job opportunities?

Revit analyst, MEP analysts, BIM Modeler, BIM Expert and BIM Analyst.

Estimation & Planning

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| Project Estimation & Planning using MS Project / Primavera | 70 hrs / 80 hrs |
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Project estimator and planner can be the difference between a company winning and losing a project. Project budget and cost estimates prepared by an Estimator is used by a planner to ensure that all tasks are completed in the most efficient manner possible.

- **B T Ade**
PMP®, Microsoft Certified Professional

Development of Job Skills

- Estimator:**
 - Taking-off quantities
 - Rate analysis
 - BBS and BOQ preparation
 - Preparing project budget, its monitoring & control
 - Cash flow preparation
 - Monthly RA billing, billing for subcontractors & client
- Planner:**
 - Prepare & control project scope
 - Develop & control project schedule, resources
 - Develop budget of the project
 - Monitor & control project
 - Create project dash board, generate reports
 - Do earned value & variance analysis

Job opportunities?

Project Estimator, Planner, Cost controllers and in future Project Manager.

Benefits of BIM

- Visual Access To Building Information
- Enables Easy Conflict Resolutions
- Helps Schedule The Construction Process
- Supports Lean Construction
- Helps Manage The Involved Costs
- Allows Improved Coordination and Better Management
- Enables Effective Facility Management
- Repair, Renovation and Refurbishment Becomes Easy
- Supports Detailed Documentation Across the Buildings Lifecycle
- BIM can be Leveraged for Sustainability

Development of Job Skills

- Preparing 3D and 4D models
 - Model auditing, checking, review
 - Manage teams and projects
 - Prepare BIM Execution Plan
 - Design project model for Employers, Organization & Asset Information Requirements
- Space Planning & Area Analysis
 - Prepare Perspectives
 - Create walkthroughs
 - Construction scheduling
 - Site utilization Planning
 - Detect internal and external clashes
 - Identify time based clashes
 - Cost estimation



MS Project

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|---|--------------------------|
| Project Planning & Controlling using MS Project | Basic 40 hrs |
| Project Management using MS Project | Advance 50 hrs |

If you fail to plan, you are planning to fail. With the strong base of Estimation & QS, planning studies helped in keep good control on project with regards to Manpower, Material and Machinery resources.

- **Shubham Hake**
Planning & Execution Engineer, Samarth Group

Development of Job Skills

- Developing project scope
 - Preparing WBS
 - Developing project schedule & budget
 - Lavelling resources
- Monitoring and tracking project
 - Analysing earned value
 - Managing time & controlling cost
 - Customising and reporting

Job opportunities?

Project Planner, Construction Manager & Project Manager.

Quality Control

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| Quality Control in Construction | 70 hrs |
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Good PMs ensure that the job is done right the first time. Quality Control during construction consists largely of insuring conformance to these original design and planning decisions. Defects result in large costs and schedule delays. Value engineering considers alternative solutions to optimize cost. Efforts are organised in analyzing designed features, systems, equipment and materials selection for the purpose of achieving essential functions at lowest life cycle cost consisting with required performance, quality, reliability and safety.

Development of Job Skills

- Perform all daily inspection and test
- Site Surveillance for quality & workmanship
- Cary out inspection and checking for all quality
- Develop method statement
- Resolving quality problems
- Closure of non-compliances
- Prepare Project Quality Plan
- Monitor Quality Management System
- Prepare QA-QC reports
- Carry out internal audit
- Optimizing cost

Job opportunities?

Quality control engineer
Cost control engineer
QA QC Engineer

Primavera P6

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|---|--------------------------|
| Project Planning & Controlling using Primavera P6 | Basic 40 hrs |
| Project Management using PrimaveraP6 Professional | Advance 50 hrs |
| Project Management using Primavera P6 Web | Advance 80 hrs |

It's easy and effective way to plan, execute & track the right projects. Knowledge built confidence into me to work as a professional planning & execution engineer & it is helping me control entire project.

- **Kumud Sonawane**
Planning Engineer, Krishna Associates

Development of Job Skills

- Creating project and WBS
 - Scheduling project
 - Assigning constraints
 - Assigning roles & analysing resources
 - Optimising project plan
- Levelling resources
 - Using earned value
 - Advance of scheduling
 - Analysing portfolio performance
 - Managing multiple projects
 - Generating reports

Job opportunities?

Project Planner, Construction Manager & Project Manager.

MEP Engineering

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| MEP Civil Supervisor | 90 hrs |
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Today with the advancement of technology and architcure, more complex building are erected demanding efficient and skilled engineers to supervise Mechanical, Electrical and Plumbing (MEP) work. There are teams of MEP designers who can design these systems but the Construction industry today lacks good execution engineers of MEP who can deal with scope of MEP work from logistics management till installation & commissioning of heavy and complex systems.

Development of Job Skills

- Supervise execution of MEP services
- Inspect MEP service installation & logistics
- Comply technical specifications & quality
- Provide technical advice to construction team
- Prepare work scope scheudles & review of method statements
- Liaise with MEP Manager / Consultant
- Close NCRs
- Ensure implementationof HSE policies

Job opportunities?

MEP Civil Supervisor
MEP Civil Engineer
MEP Manager

PMP® & CAPM®

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| Project Management Professional (PMP)® | 40 hrs |
| Certified Associate in Project Management (CAPM)® | 35 hrs |

Getting PMP certified has certainly helped me gain deep insight into strategic project management. Putting PMP after my name has given me some extra credibility when dealing with clients, and has also sparked discussions about project management with my peers and looking back, I am proud of the time and effort that I spent preparing for and passing the PMP examination.

- **Vikas Patil**
PMP®, Sr. Planning Manager, Galfar SAOG, Oman

Development of Job Skills

- Knowhow of all 10 PM knowledge areas
- Standerdization of processes
- Implementation of right processes to make project successful
- Positive change in thought process
- Commitment to be a professional team player

Job opportunities?

Effective member of Project Management Team, PMO, Construction Manager, Project Manager & Controller.

Tutors

B T Ade
M. E. (CM), PMP®, Microsoft Certified Professional, having 17 years experience in project planning, execution & management using software.



Vipul Patil
BE (Civil), having 19 years of vast and varied experience at international level in designing, estimation, costing, project planning & execution.



Nikhil Agrawal
M. E. (Structures), B. E. Civil with 11years of professional experience in Design & detailing, Planning and Estimation, Software training. Working as Manager at Rohan Builders. Proprietor - Neev Designers.



Siddhant Pawar
BE Civil with 4 years of experience in Revit, Tekla modeling, Concrete and Reinforcement modeling, Shop drawings. He is working as Quality Analyst and Trainer of TEKLA.



Sameer Alone
ME(CM), subject expert Project planning, Project Management. Over 17 years of experience – on field, teaching & training. Worked with Suzlon, Unison PMC, MIT, MITCOM. Expertise into designing of post graduate programs in construction management.



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