



Training Program

Course No.	Description	Duration
DAY 1		
1	Concepts of Project Management	00:00:00
	Planning & Scheduling Basics	
	Microsoft Project Create Schedule	
	Microsoft Project Reporting & Managing	
2	Concepts of Excavation	01:00:00
	Basics of excavation	
	Permissions and precautions	
	Soil classification and common types of soil	
	Tools and equipment	
	Anti-termite	
	Excavation hazards	
3	Concepts of Concrete - Basics	02:00:00
	Concrete aggregate	
	Aggregate gradation and proportion	
	Cement	
	Cement storage	
	Water	
	Understanding of concrete	
	Concrete testing	03:00:00
	Water cement ratio	



	Concrete defects and deterioration	
	Transportation and placing	

	Checklist for concrete transportation	
	Concrete compaction	
	Finishing of concrete	
	Curing	

DAY 2

Quiz- 30 Mins

4	Fundamentals of masonry	00:30:00
	Masonry tools	
	Mixing of mortar	
	Masonry material red bricks	
	Chicken mesh	
	Properties and proportion of mortar	01:00:00
	Concrete block masonry	
	Stonemasonry	
	Consistency	
	Precautions	
	Types of bond	
	Bricklaying	
	Masonry control joints	



	Masonry line out	
	Wall types	
	Types of masonry	
	Pointing	
5	Elements of Plastering	02:00:00
	Plastering	

	Technical terms	
	Plastering tools	
	Plastering Basics	
	Types of plaster finish	
	Procedure for plastering	
	Defects in Plastering	
	Rectification of defects	
6	Formwork	03:00:00
	Shuttering Basics	
	Formwork Checklists	

DAY 3		
Quiz-30 Mins		
7	Concepts of Reinforcement	00:30:00
	Reinforcement terms	



	Properties of reinforcement steel	
	TMT steel	
	Handling and storage of steel	01:00:00
	Bar cutting and bending - Basics	
	Bar cutting machine installation	
	Bar cutting machine operation and maintenance	
	Bar cutting machine safety	

	Bar bending machine installation	
	Bar bending machine operation and maintenance	
	Reinforcement coupler	
	Reinforcement bending precaution	
8	Environmental, Health and Safety	02:00:00
	Safety helmet	
	Understanding soil types before excavation	
	Excavation safety	
	Fall protection	
	Fire extinguishers	
	Excavation safety training part-2	
	Confined space training	
	Working at height safety	
	Personal Protective Equipment (P.P.E.)	



9	Guide to Structural Steel	03:00:00
	Structural Steel Member shapes	
	Structural Steel - Joints	
	Structural Steel - Fabrication	
	Structural Steel - Erection	
--	Virtual or Physical Conference	05:00:00
DAY 4		
Quiz- 30 Mins		
10	Concept of Construction Management	00:30:00
	Contract Terms	
	Basic of Contract Management	

	Construction Cost Concepts	01:00:00
	Understanding of Estimation	
	Types of Estimates	
2. <u>Basics of Excel & Estimation</u>		
DAY 4		
E-0	Basic Excel formulas	02:00:00
	Measurement sheet & Abstract	
	Pivot Table	



E-1	Quantities of RCC Column (Part-1)	03:00:00
DAY 5		
E-2	Quantities of RCC Column (Part-2)	00:00:00
E-3	Quantities of RCC Beam	01:00:00
E-4	Quantities of Brick Masonry	02:00:00
E-5	Quantities of Plaster	03:00:00
DAY 6		
--	Virtual or Physical Conference	00:00:00
	BOQ Study	
	IS 1200 Civil Measurement	
	IS Codes for Concrete	
	IS Codes for Cement	
	IS Codes for Bricks	
	IS Codes for Coarse/Fine Aggregate	
	IS Codes for Reinforcement	

	IS Codes for Design Load	
	IS Codes for Structural Steel	02:00:00
DAY 7		
Exam – 1 hr.		
Discussion Points summary / Queries		



Discussion – 1 hr.

3. ProCost Training

Sr. No.	Description	Time
DAY 8		
P-1	Introduction	00:00:00
P-2	Company Set Up	01:00:00
P-3	Module – Daily Progress Report (DPR) Manual - How to use, Set-up & Entry	02:00:00
	Comprehensive Q&A Session	03:00:00
DAY 9		
P-4	Drawing Log Manual - How to use, Set-up & Entry	00:00:00
P-5	Labour Report Manual - How to use, Set-up & Entry	01:00:00
P-6	Material Receiving Manual - How to use, Set-up & Entry	02:00:00
--	Virtual or Physical Conference	04:00:00
DAY 10		
P-7	QA/QC Manual - How to use, Set-up & Entry	00:00:00
P-8	How to generate Reports DPR, Drawing Log, Labour Report, Material Receiving, QA/QC	01:00:00
	Self-Practice	02:00:00

	Comprehensive Q&A Session	03:00:00
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DAY 11		
Quiz – 1 hr.		
Discussion - 1 hr.		
DAY 12		
--	Virtual or Physical Conference	00:00:00
P-9	M.S. Project	02:00:00
	Self-Practice	03:00:00