



CERTIFIED CIVIL SITE ENGINEERING (CCSE)

COURSE DURATION: 3 MONTHS

ELIGIBLE CANDIDATES: B.E-CIVIL ENGINEERS

Due to rapid changes in construction technologies, fast track nature of projects and scarcity of right professional and lack of industry exposure, most of the Civil Engineers miss their opportunity to grow quickly in the industry.

Though we gain theoretical knowledge through Text books during the course of Four years of engineering at college, it is difficult to get Industry Exposure, which can be obtained only through work experience and interaction with Industry Experts. At present this is a big gap which the student cannot fill without some assistance.

We at MTTTS have come out with a program to bridge this gap. CCSE program at MTTTS is designed to enhance the practical skills and confidence level of Engineers by exposing them to real time construction sites and latest technologies in the industry. This enables fresh engineers to secure jobs easily at reputed Companies and gives an edge to grow quickly to higher positions by overcoming competition within the industry.

At MTTTS we aim to improve the following skills in an Engineer for successful carrier opportunity and faster growth.

- Estimation Skills
- Maths Skills.
- Problem solving skills.
- Decision-making.
- Leadership skills.
- Social Skills.

BENEFITS:

On Successful completion of this Course, Engineers will be able to:

- Work under project engineer with full confidence in construction execution.
- Easily can manage day to day operation of construction site.
- Understand the drawings.
- Supervise, co-ordinate with all labor on site.
- Ensure high standard of workmanship during construction.
- Quality check list and quality control.
- Documentation works for site activities.
- Fill out the daily site reports, daily labor allocation reports and weekly labor and plant time sheets.
- Prepare construction schedule.
- Prepare bar bending schedule and interpret with structural consultant / architect.
- Civil measurement and steel calculations.
- Able to know how to manage with client, consultant, contractors and subcontractors.
- Able to work in the contracting companies with full confidence.

TOPICS COVERED:

- EARTH WORK EXCAVATION.
- BACK FILLING.
- ANT TERMITE TREATMENT.
- PCC BELOW FOOTING AND FLOORING.
- FORMWORK FOR CONCRETING.
- REINFORCEMENT WORK.
- CONCRETING OPERATION
- CURING OF CONCRETE
- RUBBLE MASONRY.
- SOLID / HOLLOW CONCRETE BLOCK MASONRY
- BRICK WORK
- WATER-PROOFING WORKS
- GROUTING
- PLASTERING WORKS
- IPS FLOORING / VACCUM DEWATERED FLOORING
- TILING, DADOING, SKIRTING WORKS
- GRANITE/MARBLE WORK
- SUSPENDED CEILINGS
- CARPENTRY, JOINERY & GENERAL FIXING
- GRILLS AND HAND RAIL WORKS
- PLUMBING & SANITARY WORKS
- ELECTRICAL WORKS
- PAINTING WORKS
- PILE FOUNDATION WORKS.
- INTERNAL ROADS AND PAVERS.
- CONSTRUCTION QUALITY CONTROL CHECK LIST
- BILL OF QUANTITIES (B O Q)
- THE STANDARD METHOD OF MEASUREMENT (SMM)
- VIDEO PRESENTATIONS.
- MATERIALS QUALITY.
- LAB TESTING
- GENERAL BUILDING MATERIALS
- CONCRETE MIX TYPES
- BUILDING ELEMENTS

- BUILDING CIVIL WORKS PRACTICAL ACTIVITY – SITE VISITS.
- TYPES OF FOOTINGS.
- TYPES OF COLUMNS
- TYPES OF FLOORS
- TYPES OF BEAMS.
- TYPES OF SLAB.
- TYPES OF WALLS
- PRACTICAL CALCULATIONS & TRAININGS.
- BAR BENDING SCHEDULE:
- STRUCTURAL DESIGN CONCEPT BY THUMP RULE.
- COST ESTIMATE & RATE ANALYSIS
- CONSTRUCTION SAFETY
- PERSONALITY DEVELOPMENT:
 - ✓ SOFT SKILL
 - ✓ VERBAL COMMUNICATION
 - ✓ NON VERBAL COMMUNICATION
 - ✓ TIME MANAGEMENT & MOTIVATION
 - ✓ TEAM WORK & LEADER SHIP
 - ✓ BUSINESS COMMUNICATION & ETIQUETTE
 - ✓ RESUME WRITING & COVER LETTER.