

MEP ENGINEERING

COURSE DURATION: 45 DAYS

ELIGIBLE CANDIDATES: B.E-MECHANICAL ENGINEERS

WHAT IS MEP?

Mechanical, electrical, and plumbing services (**MEP**) are a significant component of the **construction** supply chain. **MEP** design is critical for design decision-making, accurate documentation, performance, **construction** planning, cost- estimation, managing and operating the resulting facility.

Today is the world of architecture and building where complex buildings are being erected day by day taller structures has become the icon of development of a country. As a result the construction industry is given great importance and there is a huge demand for efficient and experienced engineers in the field.

In Middle East there is a huge demand for experienced Mechanical, Electrical and Plumbing (MEP) engineers on huge projects such as the construction of airports, hospitals, schools, shopping malls and such where central air conditioning system is applied.

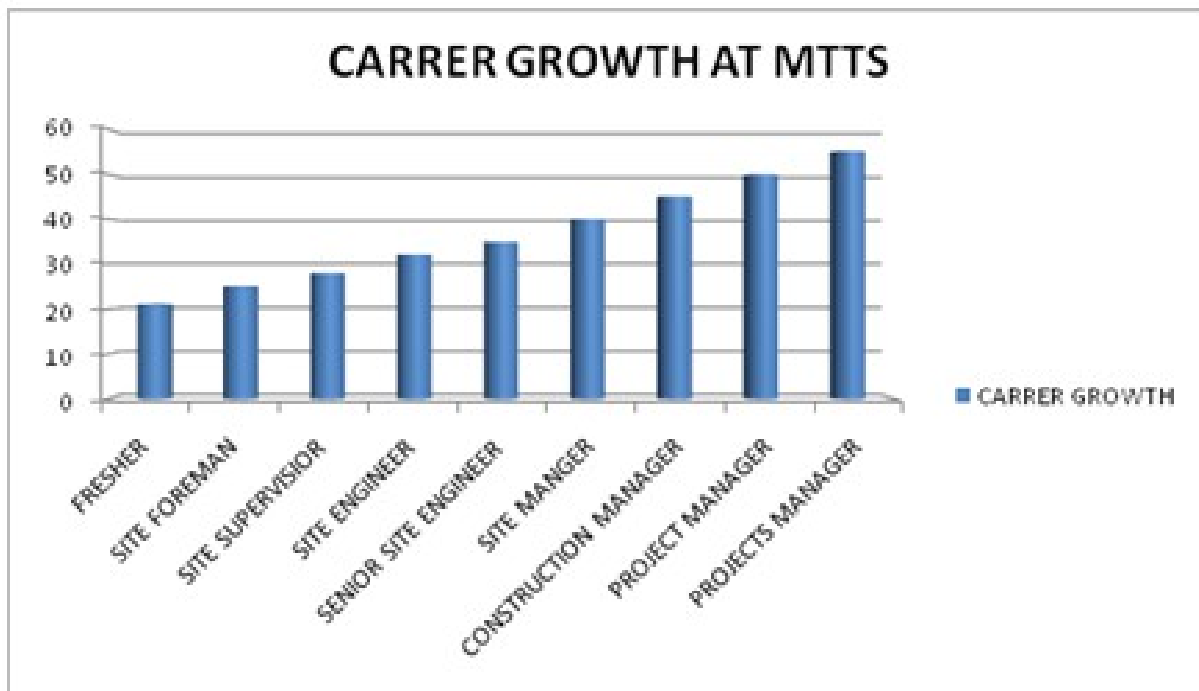
It is very much important for fresh engineers to be highly skilled in dealing with the modern technologies in the Mechanical, Electrical, and Plumbing works of building since the building systems have become more integrated and the industry embraces sustainable and environmental concepts in to design. Besides having the most updated and authentic information, the onsite experience is also valid to build up quality craftsmanship.

MEP course at MTTS provides the best training under these areas with practical approach. This course covers the basic principles, types and applications of MEP systems in commercial construction.

BENIFITS INVOLVED IN UNDERGOING MEP COURSE AT MTTS:

- 100 % placement assistance.
- Career oriented psychometric evaluation.
- Practical training based on Middle East standards.
- Interaction with industry experts
- Confidence to attend any number of interviews in Middle East.
- At the end of training the fresh engineers will be technically sound and confident enough to compete with an experienced engineer in site.

CARRER GROWTH AT MTTS:



TOPICS COVERED:

The topics covered under MEP training includes the following but not limited to the below mentioned list.

MECHANICAL:

- FIRE FIGHTING SYSTEMS
- FIRE SPRINKLER INSTALLATION
- FIRE SPRINKLER COMPONENTS
- SMOKE AND HEAT DETECTORS
- SWITCHES, WATER FLOW, AIR AND TAMPERS
- WET SYSTEM, DRY SYSTEM, DELUGE SYSTEMS, PRE ACTION SYSTEM
- DUCTS AND INSULATION
- DRAWING STUDY OF PLAN LAYOUT DRAWING AND GENERAL ARRANGEMENT DRAWING
- CHILLER LINE LAYING
- PUMPS AND COMPRESSORS
- FIRE EXTINGUISHERS
- FIRE HYDRANT
- FIRE ALARM & HOSE REEL
- HVAC & INSULATION DUCTS

ELECTRICAL:

- FUNDAMENTALS OF ELECTRICAL ENGINEERING
- CABLE TRAY FITTINGS
- CONDUIT PIPE WORK
- HOME LINE WIRING
- SWITCH WIRE
- DISTRIBUTION BOARD

PIPING:

- HAND TOOLS AND POWER TOOLS
- PIPING SYSTEMS
- PIPING VALVES, FLANGES, GASKETS
- ASSEMBLY TECHNIQUES
- ALIGNMENT PROCEDURES
- CALCULATING SIMPLE OFFSETS
- INLINE SPECIALITIES
- STEAM TRAPS
- ALIGNMENT PROCEDURES
- FLARED AND COMPRESSION JOINTS USING COPPER TUBES
- DRAWING STUDY OF PIPING ISOMETRICS,
- LAYOUT DRGS, PIPING AND INSTRUMENTATION DRAWINGS
- PIPING STANDARDS WITH CODES
- INTRODUCTION TO WELDING
- FABRICATION OF BRANCH WELDS
- INTRODUCTION TO DE AND NDE
- INTRODUCTION TO PIPING SUPPORTS
- PIPING SUPPORT FABRICATION
- HEALTH SAFETY ENVIRONMENT (HSE)
- PERSONALITY DEVELOPMENT
- VIDEO PRESENTATION

PERSONALITY DEVELOPMENT:

- SOFT SKILL
- VERBAL COMMUNICATION
- NON VERBAL COMMUNICATION
- TIME MANAGEMENT & MOTIVATION
- TEAM WORK & LEADER SHIP
- BUSINESS COMMUNICATION & ETIQUETTE
- RESUME WRITING & COVER LETTER
- GROUP DISCUSSION