

## MEP

Mechanical, Electrical, and Plumbing (MEP) refers to these aspects of building design and construction. In commercial buildings these aspects are often designed by an engineering firm specializing in MEP. MEP design is important for design decision-making, accurate documentation, performance and cost-estimation, construction planning, managing and operating the resulting facility.

### Special in Course

- 100% Job Oriented Training.
- Certified expert trainers with around 10-25 Yrs. exp
- One-on-One attention
- Well connected with Hiring HRs in multinational companies
- Real Project training
- Training as per industry standards

***“We always advise our Engineering Graduate to seek a particular Job, rather than to accept any job”***

## HVAC

**Duration: 120hrs**

1. Introduction to HVAC
2. Types of Air Conditioning System
3. Types of Compressor, Evaporating Coil, Condensing Coil, Pumps & Fans
4. Abbreviations & Symbols
5. Air Conditioning Ducting Design
6. HVAC Ducting System Material
7. Types of Insulation
8. Air Distribution selection
9. Accessories in Ducting System
10. Ventilation Ducting Design
11. Chilled water piping design
12. Valve Connection Details
13. Heat / Cooling load calculation
14. Regulation & Standards
15. Shop Drawing Preparation
16. Project Management



### We also offer:

- Design & Detail shop drawing services
- Execution of Projects related to building construction
- Staffing Services for related Engineering Works

### Head Office

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**READS ENGINEERING LLP**

An ISO 9001:2015 Certified Company

*“We are here to brighten your future”*



**MEP – DESIGNING & DRAFTING COURSES**

**(FOR BUILDING CONSTRUCTION WORKS)**





**ELECTRICAL DURATION: 120hrs**

1. Introduction to Electrical System
2. Lighting System
3. Power System
4. Raceway / Containment / Cable Routing
5. Wires and Cables Management
6. Electrical Routing & Fitting
7. Extra Low Voltage System
8. Fire Alarm System
9. Earthing and Lightning Protection
10. Lux Level Calculation
11. Load Schedule & Balancing
12. Building Management System
13. Abbreviations & Symbols
14. Regulation & Standards
15. Shop Drawing Preparation
16. Project Management

**PLUMBING DURATION: 90hrs**

1. Introduction to MEP-Plumbing
2. Plumbing Fixtures
3. Drainage System
  - 3.1 Design Criteria
  - 3.2 Drainage Equipment's and Fixtures
  - 3.3 Drainage Piping and Venting System
  - 3.4 Drainage Piping Standards and Specifications
  - 3.5 Definition of Internal & External Drainage System
4. Water Supply Service
  - 4.1 Design Criteria
  - 4.2 Water Supply Equipment's and Fixtures
  - 4.3 Water Supply Piping, Standards and Specifications
  - 4.4 Definition of Internal & External Water Supply Service
  - 4.5 Definition of Tank and Pump
5. Abbreviations & Symbols
6. Preparation of Shop Drawing & Builders Work Drawing
7. Project Management

**FIREFIGHTING DURATION: 90hrs**

1. Introduction to MEP – Fire Fighting
2. Classification of fire System
3. Fire Codes & Standard
4. Manual Fire Fighting Systems
  - 4.1 Portable Fire Extinguishers
  - 4.2 Fire Cabinet
  - 4.3 Landing Valve
  - 4.4 Fire Hydrants
5. Automatic Fire Fighting Systems
  - 5.1 Fire Suppression System
  - 5.2 Sprinkler System
  - 5.3 Zone Control Unit
6. Fire Pipe Selection
7. Fire Fighting Pumps Arrangement
8. Fire Fighting calculation
  - 8.1 FM 200 Design
  - 8.2 Fire Fighting Hydraulic calculation
  - 8.3 Firefighting Tank Capacity Calculation
9. Preparation of Shop Drawing
10. Project Management

**REVIT DURATION: 90hrs**

1. Introduction to BIM Modelling
2. Revit Software & Tools Purpose
3. File Creation for Developing Modelling
4. Creating Central Model
5. Creating Workset
6. Project Browser
7. Systems & Types (Ducting & Piping)
8. Visibility Graphics (VG)
9. Routing Preference for Ducting and Piping
10. Creating Filters
11. Templates Creation
12. Developing Model For MEP
13. Developing 3D Views & Section
14. Family Creation
15. Bill of Quantity
16. Documentation