

## ◆ **DIPLOMA IN FIRE AND SAFETY – Course Curriculum Overview:**

Gain in-depth training in core fire safety techniques, emergency planning, and workplace safety standards to launch a career in safety services or fire management sectors.

### **Module 1: Basics of Fire Safety Engineering**

- Principles of combustion and fire science
- Fire behavior and ignition sources

### **Module 2: Fire Prevention and Protection Systems**

- Fire alarms, detectors, sprinklers
- Fire extinguishers and suppression systems

### **Module 3: Industrial and Workplace Safety**

- Hazard control techniques
- Industrial fire risk management

### **Module 4: Safety Legislation and Codes**

- National Building Code, OSHA, NFPA standards
- Fire safety audit procedures

### **Module 5: Emergency Planning and Disaster Management**

- Fire drills and emergency response plans
- Rescue operations and evacuation techniques

### **Module 6: Safety Equipment and First Aid**

- Personal protective equipment (PPE)
- Basic first aid and firefighting tools

### **Module 7: Fire Safety in High-Risk Industries**

- Oil & gas, chemical, and construction sector risks
- Specialized fire suppression techniques

### **Module 8: Practical Training and Site Visits**

- Live fire demos, mock drills
- Visit to fire stations or industrial safety setups

### **Final Assessment / Viva**

- Evaluation of theoretical knowledge
  - Practical project or on-site training report
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