Diploma in Elevator Technician

⏳ Duration

1 Year (12 Months)

🎯 **Eligibility**

- 10th / 12th Pass
- Basic knowledge of Electrical / Mechanical field preferred
- Physically fit for technical work

Course Modules

Module 1: Introduction to Elevators

- History and Types of Elevators
- Residential & Commercial Elevators
- Hydraulic vs Traction Elevators
- Components Overview

Module 2: Electrical Fundamentals

- Basic Electricity
- AC & DC Current
- Electrical Wiring
- Circuit Diagrams
- Safety Precautions

Module 3: Mechanical Components

- Motors & Gear Systems
- Brake Systems
- Counterweight System
- Shaft & Cabin Structure

Module 4: Elevator Installation

- Site Preparation
- Rail Installation
- Motor Installation
- Cabin Assembly
- Control Panel Setup

Module 5: Maintenance & Troubleshooting

- Preventive Maintenance
- Fault Detection
- Error Code Identification
- Emergency Rescue Operation

Module 6: Safety Standards

- Lift Safety Rules
- Fire Safety
- Electrical Safety
- Government Safety Guidelines

Module 7: Advanced Control Systems

- PLC Basics
- Automatic Door System
- Sensor system
- Smart Elevators

Module 8: Tools & Practical Training

- Use of Hand Tools
- Multimeter Testing
- Wiring Practice
- Live Installation Demonstration

🛠️ Practical Training

- Workshop Practice
- Control Panel Wiring
- Fault Finding Practice
- Real Site Visit (Optional)
- Final Practical Project

📝 Examination Pattern

Theory – 100 Marks
Practical – 150 Marks
Project – 100 Marks
Viva – 50 Marks

💼 Career Opportunities

- Elevator Technician
- Lift Maintenance Technician
- Installation Engineer Assistant
- Service Technician
- AMC Technician

Starting Salary: ₹15,000 – ₹30,000 per month
 (Experience ke saath ₹40,000+)