

BSVT Programs

Bharath School of Vertical Transportation (BSVT) offers industry-focused education and professional development programs designed to develop skilled professionals for the **Vertical Transportation (VT) industry**.

Our programs combine **technical knowledge, practical training, industry exposure, safety awareness, and career-oriented learning** to prepare students and working professionals for opportunities across elevators, escalators, and moving walkways.

BSVT offers two categories of programs:

A. Regular Programs

Designed for candidates looking to **build a career in the Vertical Transportation industry**.

B. Upskilling Programs

Designed for **technicians, engineers, supervisors, and experienced professionals** seeking to enhance their technical expertise and advance their careers.

A. Regular Programs

1. Certificate in Vertical Transportation (CVT)

Build Your Career in the Vertical Transportation Industry

The **Certificate in Vertical Transportation (CVT)** is an industry-focused program designed to prepare candidates for entry-level technical careers in the elevator and escalator industry.

The program combines **theoretical knowledge with hands-on practical training**, covering elevator installation, maintenance, safety practices, testing, commissioning, and essential technical skills.

Through practical learning, industry exposure, and internship opportunities, participants develop the knowledge and job-ready skills required to begin their careers in the Vertical Transportation industry.

Program Structure

- **6 months** of structured theoretical and practical training
- Followed by **3 months of paid internship** with industry partners

Eligibility

- ITI
- 12th Pass
- Candidates from any degree stream

Career Opportunities

- Junior Technician
- Assistant Technician
- Installation Technician
- Maintenance Technician

Career Progression

Junior Technician → Technician → Supervisor → Project Engineer → Project Manager → General Manager

2. Post Graduate Diploma in Vertical Transportation (PGDVT)

Develop Specialized Expertise in Vertical Transportation

The **Post Graduate Diploma in Vertical Transportation (PGDVT)** is a specialized, industry-oriented program designed to develop technically competent professionals for the elevator, escalator, and moving walkway industry.

The program provides comprehensive theoretical and practical knowledge in **electrical and electronic systems, mechanical components, elevator structures, safety practices, metrology, installation, site surveying, testing, commissioning, and maintenance.**

Participants gain practical exposure to **technical drawings, measuring instruments, elevator components, troubleshooting, installation procedures, and industry safety requirements.**

Through laboratory sessions, practical training, project work, and internship opportunities, the program prepares participants for engineering-level careers within the Vertical Transportation industry.

Program Structure

- **9 months** of comprehensive theoretical and practical training
- Followed by **3 months of paid internship** with industry partners

Eligibility

- Candidates from any degree stream
- Preferably candidates with an **engineering or technical background**

Career Opportunities

- Junior Engineer – Vertical Transportation
- Project Engineer Trainee
- Installation Engineer

- Testing & Commissioning Engineer Trainee

Key Learning Areas

- Mechanical Systems
- Electrical & Electronic Systems
- Vertical Transportation Safety
- Elevator Installation – Practical
- Testing & Commissioning – Practical
- Technical Drawings & Measurements
- Troubleshooting & Fault Diagnosis
- Site Surveying
- Soft Skills & Professional Development

Career Progression

Assistant Engineer → Junior Engineer → Senior Engineer → Project Engineer → Project Manager

B. Upskilling Programs

BSVT's **Upskilling Programs** are designed for technicians, engineers, supervisors, and experienced professionals seeking to strengthen their technical capabilities, stay updated with industry practices, and progress into specialized, supervisory, or management roles.

Programs Offered

1. Advanced Course – Lift Installation (ACLI)
2. VT Safety Inspection Program
3. Upskilling Program in Vertical Transportation – Maintenance
4. Upskilling Program in Vertical Transportation – Testing & Commissioning
5. Vertical Transportation – Modernization Program
6. Safety Compliance in Vertical Transportation
7. Advanced Course – Escalators & Moving Walkways
8. Vertical Transportation Management

1. Advanced Course – Lift Installation (ACLI)

Industry-Focused Training in Elevator Installation

The **Advanced Course in Lift Installation (ACLI)** is a practical, industry-focused program designed to equip candidates with the essential technical knowledge and hands-on skills required to begin a career in the Vertical Transportation industry.

The program covers **elevator structure and components, basic electrical and control systems, Vertical Transportation safety, installation procedures, testing and commissioning, troubleshooting fundamentals, workplace safety, and professional skills.**

With a strong emphasis on practical learning, participants gain exposure to **installation tools, technical drawings, measurements, alignment procedures, elevator components, safety practices, and basic testing and commissioning procedures.**

Duration

1 Month | 200 Hours

Eligibility

- ITI or equivalent technical qualification

Key Learning Areas

- Elevator Structure & Components
- Basic Electrical & Control Systems
- Vertical Transportation Safety
- Elevator Installation Procedures
- Technical Drawings & Measurements
- Guide Rail, Door & Counterweight Installation
- Drive Machine & Pit Equipment Installation
- Safety Systems & LOTO Procedures
- Testing & Commissioning Fundamentals
- Basic Troubleshooting & Diagnostics
- Soft Skills & Interview Preparation
- Basic Computer Literacy

Career Opportunities

- Junior Technician
- Assistant Technician
- Elevator Installation Technician

- Trainee Technician

Career Progression

Junior Technician → Technician → Supervisor → Project-in-Charge → Project Engineer → Project Manager

2. VT Safety Inspection Program

Develop Expertise in Elevator & Escalator Safety Inspection

The **VT Safety Inspection Program** is designed to equip participants with the technical knowledge and practical skills required for the **inspection, testing, safety assessment, and compliance evaluation of elevators and escalators.**

The program focuses on inspection procedures, safety requirements, technical documentation, defect identification, and industry compliance practices.

Duration

45 Days | 240 Hours

Eligibility

- Polytechnic
- Diploma or related technical qualification

Key Learning Areas

- Elevator Inspection Procedures
- Elevator Components & Functions
- Technical Drawing Interpretation
- Installation Practices
- Visual Inspection & Defect Identification
- Safety Assessment
- Inspection Documentation & Reporting
- Industry Compliance Requirements

Career Opportunities

- VT Safety Inspector
- Safety Audit Assistant
- Inspection Engineer Trainee
- Compliance Coordinator

Placement Support

Eligible candidates may receive placement opportunities with leading elevator companies, either **directly with the company or through authorized third-party inspection agencies**, subject to applicable company requirements and selection criteria.

3. Upskilling Program in Vertical Transportation – Maintenance

Advanced Maintenance & Troubleshooting Skills

The **Vertical Transportation Maintenance Upskilling Program** is designed for experienced technicians seeking to strengthen their knowledge of modern elevator maintenance practices, diagnostic techniques, safety procedures, and troubleshooting methodologies.

The program covers **new technologies, code requirements and regulations, preventive maintenance practices, diagnostic tools, sequence of operation, electrical schematics, fault identification, and practical troubleshooting.**

Participants also gain exposure to diagnostic equipment, specialty instruments, elevator circuits, lubrication practices, grounding procedures, and safe working methods.

The program can also be **customized for elevator companies** based on specific manufacturers, equipment types, models, and technical requirements.

Duration

120 Hours

Eligibility

- Plus 2 / 12th
- ITI or equivalent qualification
- Minimum **2–3 years of experience** in the elevator maintenance industry

Key Learning Areas

- Modern Maintenance Practices
- Preventive & Corrective Maintenance
- Diagnostic Tools & Instruments
- Electrical Schematics
- Sequence of Operation
- Fault Diagnosis & Troubleshooting
- Elevator Circuit Testing
- Lubrication Practices

- Safety & Grounding Procedures
- Equipment-Specific Troubleshooting

4. Upskilling Program in Vertical Transportation – Testing & Commissioning

Master Testing & Commissioning Procedures

The **Testing & Commissioning Upskilling Program** provides experienced technicians with specialized knowledge of the procedures involved in **testing, adjusting, commissioning, and handing over Vertical Transportation equipment**.

The program combines technical learning with practical application to develop competency in elevator mechanical, electrical, control, and safety systems.

Duration

90 Hours

Key Learning Areas

- Car Door & Gate Inspection and Adjustment
- Mechanical Component Inspection & Adjustment
- Elevator Car Accessories
- Travelling Cable Inspection
- Safety Component Inspection & Adjustment
- Elevator Controller Programming Fundamentals
- Different Elevator Controller Systems
- VT Equipment Control Circuit Tracing
- Testing & Adjustment Procedures
- Equipment Handover Procedures

Eligibility

- Plus 2 / 12th
- ITI or equivalent qualification
- Minimum **2–3 years of experience** in the elevator maintenance industry

Career Opportunity

Upon successful completion of the training and assessment, participants can pursue opportunities as:

Testing & Commissioning Technician

BSVT provides a **certificate upon successful completion of the program and assessment requirements.**

5. Vertical Transportation – Modernization Program

Build Expertise in Elevator Modernization & Alteration

The **Vertical Transportation Modernization Program** is designed for experienced professionals seeking specialized knowledge in the modernization, alteration, and upgrading of existing Vertical Transportation systems.

The program focuses on **technical evaluation, modernization planning, package execution, and safe working practices in occupied buildings.**

Duration

90 Hours

Key Learning Areas

- Fundamentals of Elevator Modernization
- Alteration of Elevator Devices & Components
- Technical Evaluation of Existing Equipment
- Modernization Package Planning
- Modernization Execution
- Working in Occupied Buildings
- Safety Considerations During Modernization

Eligibility

- Plus 2 / 12th
 - ITI or equivalent qualification
 - Minimum **2–3 years of experience** in elevator maintenance or modernization
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6. Safety Compliance in Vertical Transportation

Building a Strong Culture of Safety

Safety is fundamental to every activity within the Vertical Transportation industry. The **Safety Compliance in Vertical Transportation Program** is designed to develop a strong understanding of workplace safety, hazard identification, safe working practices, personal protective equipment, and compliance requirements.

The program can also be **customized to meet the specific safety requirements of organizations and their workforce.**

Duration

75 Hours

Key Learning Areas

- Hoistway, Machine Room & Pit Safety
- Safety Communication
- Personal Protective Equipment (PPE)
- Housekeeping Safety
- Material Handling
- Hand & Power Tool Safety
- Electrical Safety
- Environmental Hazards
- Fire Safety
- Accident & Unsafe Working Condition Reporting
- Workers' Compensation Fundamentals
- Public Safety

Eligibility

- Plus 2 / 12th
- ITI
- Polytechnic Diploma in any stream
- Minimum **2–3 years of experience** in the elevator installation industry

7. Advanced Course – Escalators & Moving Walkways

Specialized Training in Escalator Systems

The **Advanced Course in Escalators & Moving Walkways** provides participants with a comprehensive understanding of escalator systems, including their major mechanical and electrical components, installation procedures, maintenance fundamentals, testing, and safety systems.

The program uses **practical and interactive learning methods, including 3D computer-based models**, to help participants understand the structure, operation, components, and assemblies of typical escalator installations.

Participants gain an understanding of major escalator components, equipment variations across manufacturers, and the procedures involved in **offloading, shifting, installation, testing, and safe handling of escalators and moving walkways**.

Duration

100 Hours

Key Learning Areas

- Escalator Fundamentals
- Mechanical & Electrical Components
- Escalator Installation
- Maintenance Fundamentals
- Safety Systems
- Equipment Handling
- Offloading & Shifting Procedures
- Testing Procedures
- Escalator & Moving Walkway Installation Practices
- Equipment Types & Installation Variations

Eligibility

- Plus 2 / 12th
- ITI
- Polytechnic Diploma in any stream
- Minimum **2–3 years of experience** in escalator installation

8. Vertical Transportation Management

Develop the Next Generation of VT Leaders

The **Vertical Transportation Management Program** is designed to develop professionals with the technical, operational, leadership, and managerial capabilities required to effectively manage elevator and escalator operations.

The program combines technical understanding with management-oriented learning across **operations, maintenance planning, safety compliance, project coordination, customer service, workforce management, and team leadership.**

It is designed for professionals seeking to progress from technical positions into **supervisory, operational, project, and management roles** within the Vertical Transportation industry.

Key Learning Areas

- Vertical Transportation Operations
- Maintenance Planning & Management
- Safety & Compliance Management
- Project Coordination
- Team Management
- Workforce Planning
- Customer Service
- Technical Operations
- Performance Management
- Leadership & Supervisory Skills
- Risk Management
- Operational Decision-Making

Career Opportunities

- Supervisor
- Service Manager
- Operations Coordinator
- Project Coordinator
- Project Manager
- Vertical Transportation Manager

Build Your Career. Upgrade Your Skills. Lead the Future of Vertical Transportation.

Whether you are **starting your career, developing technical expertise, or advancing into a leadership role**, BSVT provides industry-focused programs designed around the evolving requirements of the Vertical Transportation sector.

Learn. Elevate. Grow.