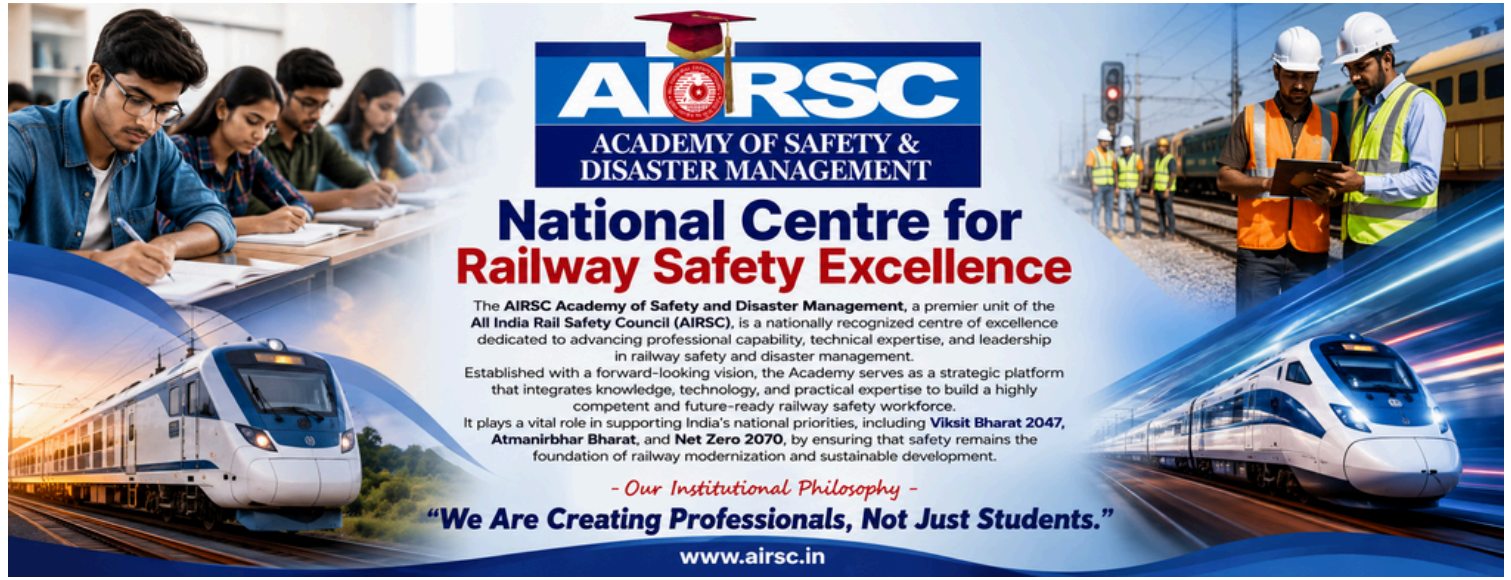




The AIRSC Academy of Safety and Disaster Management, a premier unit of the All India Rail Safety Council (AIRSC), is a nationally recognized centre of excellence dedicated to advancing professional capability, technical expertise, and leadership in railway safety and disaster management.

Established with a forward-looking vision, the Academy serves as a strategic platform that integrates knowledge, technology, and practical expertise to build a highly competent and future-ready railway safety workforce. It plays a vital role in supporting India's national priorities, including Viksit Bharat 2047, Atmanirbhar Bharat, and Net Zero 2070, by ensuring that safety remains the foundation of railway modernization and sustainable development.

Our Institutional Philosophy

"We Are Creating Professionals, Not Just Students."

This guiding principle reflects the Academy's commitment to transforming learners into skilled, responsible, and industry-ready safety professionals. The focus is not merely on academic instruction, but on developing competence, discipline, leadership, and real-world problem-solving capability essential for railway safety excellence.

AIRSC
ACADEMY OF SAFETY & DISASTER MANAGEMENT
a premier unit of the All India Rail Safety Council (AIRSC)

Research, Innovation & Knowledge Development

The AIRSC Academy acts as a national catalyst for safety excellence, bridging the gap between education, industry, and policy. It ensures that the next generation of professionals is equipped to meet the challenges of modern railway systems with confidence and competence.

The AIRSC Academy of Safety and Disaster Management is committed to shaping individuals into capable professionals, responsible leaders, and safety ambassadors.

By fostering knowledge, discipline, and innovation, the Academy contributes to building a **Safer, Smarter, and More Resilient Railway Ecosystem** for India and the world.

THE ACADEMY ALSO SERVES AS A HUB FOR:	OBJECTIVES
APPLIED RESEARCH IN RAILWAY SAFETY Driven by data, innovation, and real-world impact	DEVELOP A HIGHLY SKILLED AND INDUSTRY-READY RAILWAY SAFETY WORKFORCE
DEVELOPMENT OF SAFETY STANDARDS AND FRAMEWORKS Building robust, future-ready safety systems	STRENGTHEN NATIONAL SAFETY CAPABILITY AND INSTITUTIONAL EXCELLENCE
KNOWLEDGE DISSEMINATION THROUGH PUBLICATIONS Sharing insights, best practices, and lessons learned	PROMOTE PROFESSIONALISM, ETHICS, AND LEADERSHIP IN SAFETY
COLLABORATION WITH NATIONAL AND INTERNATIONAL INSTITUTIONS Strengthening partnerships for global excellence	SUPPORT VISION ZERO – ELIMINATION OF FATALITIES AND MAJOR ACCIDENTS
	ENCOURAGE INNOVATION AND TECHNOLOGY ADOPTION IN SAFETY SYSTEMS

**SAFETY TODAY
SECURE TOMORROW**

**SAFETY IS OUR HABIT
ZERO HARM
OUR GOAL**

INDIAN RAILWAYS

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BUILDING A SAFER RAILWAY • EMPOWERING PROFESSIONALS • SERVING THE NATION

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AIRSC
ACADEMY OF SAFETY & DISASTER MANAGEMENT

Student Training Programmes

The Academy offers structured and career-oriented training programmes for students and young professionals, designed to bridge the gap between academic learning and industry requirements.

PROGRAMME HIGHLIGHTS

- Foundation in Railway Safety Systems**
Introduction to railway operations, safety principles, and system-wide risk management.
- Practical Skill Development**
Hands-on exposure to safety practices, inspection methods, and operational procedures.
- Disaster Preparedness Training**
Basic emergency response, evacuation procedures, and safety drills.
- Industrial Safety Awareness**
Workplace safety, hazard identification, and safe work practices.
- Technology Exposure**
Introduction to modern safety technologies, digital systems, and smart railway solutions.
- Internships & Field Exposure**
Opportunities for real-world learning through site visits, case studies, and industry interaction.
- Career Pathways in Rail Safety**
Guidance on professional opportunities in railway safety, infrastructure, and disaster management.

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About the Academy

The Academy functions as a specialized national institution for training, certification, and research-driven learning in railway safety and disaster management. Its programs are aligned with international safety standards, global best practices, and emerging technologies, ensuring relevance in both national and global contexts.

It caters to:

- Railway professionals and engineers
- Safety regulators and auditors
- Disaster management authorities
- Industry stakeholders and contractors
- Emergency response personnel
- Students and emerging professionals
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Driven by data, innovation, and real-world impact
- DEVELOPMENT OF SAFETY STANDARDS AND FRAMEWORKS**
Building robust, future-ready safety systems
- KNOWLEDGE DISSEMINATION THROUGH PUBLICATIONS**
Sharing insights, best practices, and lessons learned
- COLLABORATION WITH NATIONAL AND INTERNATIONAL INSTITUTIONS**
Strengthening partnerships for global excellence

OBJECTIVES

- DEVELOP A HIGHLY SKILLED AND INDUSTRY-READY RAILWAY SAFETY WORKFORCE
- STRENGTHEN NATIONAL SAFETY CAPABILITY AND INSTITUTIONAL EXCELLENCE
- PROMOTE PROFESSIONALISM, ETHICS, AND LEADERSHIP IN SAFETY
- SUPPORT VISION ZERO – ELIMINATION OF FATALITIES AND MAJOR ACCIDENTS
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Outcome

Students graduating from these programmes are equipped to become:

Entry-level safety professionals

Safety supervisors and inspectors

Disaster response support personnel

Future leaders in railway safety and infrastructure sectors

Core Training Programmes

Railway Safety Management Systems (SMS)

Safety governance and regulatory frameworks

Risk assessment and mitigation strategies

Safety performance monitoring

Incident prevention and reporting systems

Disaster Management & Emergency Response

Railway disaster preparedness and resilience planning

Incident Command System (ICS)

Fire, derailment, and collision response

Emergency evacuation and rescue operations

Technical Safety Training

Track and infrastructure safety

Electrical and mechanical systems safety

Signaling and operational safety

Maintenance and inspection protocols

Occupational Safety & Industrial Risk Prevention

Workplace hazard identification and control

PPE and safe work practices

Human factors and fatigue management

Industrial safety compliance

Safety Leadership & Culture Development

Leadership in safety decision-making

Behaviour-based safety practices

Safety culture transformation

Organizational safety excellence

Advanced & Specialized Programmes

Rail Safety Audit & Risk Assessment

Accident Investigation & Root Cause Analysis

AI-Based Safety Monitoring & Predictive Risk Analytics

Climate-Resilient Railway Safety

Safety for High-Speed & Modern Rail Systems

Cybersecurity in Railway Operations

Training Methodology

The Academy adopts a blended, experiential, and outcome-oriented learning approach:

- Classroom and technical sessions
- Simulation-based learning
- Case study and incident analysis
- Practical safety drills and field exercises
- Workshops and expert interaction
- Digital and e-learning modules

Research, Innovation & Knowledge Development

The Academy also serves as a hub for:

- Applied research in railway safety
- Development of safety standards and frameworks
- Knowledge dissemination through publications
- Collaboration with national and international institutions

Objectives

- Develop a highly skilled and industry-ready railway safety workforce
- Strengthen national safety capability and institutional excellence
- Promote professionalism, ethics, and leadership in safety
- Support Vision Zero – elimination of fatalities and major accidents
- Encourage innovation and technology adoption in safety systems

Strategic Significance

- The AIRSC Academy acts as a national catalyst for safety excellence, bridging the gap between education, industry, and policy. It ensures that the next generation of professionals is equipped to meet the challenges of modern railway systems with confidence and competence.
- The AIRSC Academy of Safety and Disaster Management is committed to shaping individuals into capable professionals, responsible leaders, and safety ambassadors.
- By fostering knowledge, discipline, and innovation, the Academy contributes to building a Safer, Smarter, and More Resilient Railway Ecosystem for India and the world.



AIRSC

ACADEMY OF SAFETY & DISASTER MANAGEMENT

DISASTER MANAGEMENT

Building a Safer, More Resilient Railway Ecosystem
Through Knowledge, Preparedness and
Professional Excellence

An Initiative of the All India Rail Safety Council (AIRSC)

RISK IDENTIFICATION
& MITIGATION

EMERGENCY
PREPAREDNESS

RESPONSE & RESCUE
OPERATIONS

TRAINING &
CAPACITY BUILDING

TECHNOLOGY &
INNOVATION

COMMUNITY
AWARENESS

OUR KEY FOCUS AREAS

RAILWAY &
METRO DISASTER
PREPAREDNESS

INDUSTRIAL &
INFRASTRUCTURE
SAFETY

EMERGENCY
RESPONSE &
RESCUE

TRAINING &
SIMULATION
BASED LEARNING

DISASTER RISK
REDUCTION &
PLANNING

RESEARCH &
INNOVATION

BUSINESS
CONTINUITY &
RESILIENCE

COMMUNITY
SAFETY &
AWARENESS

RAILWAY DISASTER PREPAREDNESS

- ✓ Railway Disaster Management Planning
- ✓ Station Emergency Response Systems
- ✓ Tunnel & Bridge Emergency Management
- ✓ Fire Safety in Railway Stations
- ✓ Emergency Evacuation Planning
- ✓ Control Room & Communication Systems
- ✓ Multi-Agency Incident Management
- ✓ Rail Infrastructure Resilience Planning



METRO RAIL DISASTER PREPAREDNESS

- ✓ Underground Metro Emergencies
- ✓ Smoke Management
- ✓ Passenger Evacuation Procedures
- ✓ Platform Incident Management
- ✓ Fire Response Systems
- ✓ Tunnel Rescue Operations
- ✓ Integrated Command Centre
- ✓ Metro Disaster Recovery Planning



INDUSTRIAL & INFRASTRUCTURE DISASTER MANAGEMENT

- ✓ Industrial & Chemical Emergencies
- ✓ Hazardous Material Response
- ✓ Power & Energy Infrastructure Safety
- ✓ Oil & Gas Safety
- ✓ Manufacturing Plant Preparedness
- ✓ Warehousing & Logistics Safety
- ✓ Port, Airport & Smart City Safety



COMMUNITY AWARENESS PROGRAMMES

- ✓ Public Safety Awareness Campaigns
- ✓ School & College Safety Programmes
- ✓ Railway Passenger Awareness Initiatives
- ✓ Disaster Preparedness Week Activities
- ✓ Safety Exhibitions & Mock Drills
- ✓ Community Volunteer Training
- ✓ First Aid & Fire Prevention Campaigns



AIRSC ACADEMY OF SAFETY & DISASTER MANAGEMENT (AASDM) NATIONAL CENTRE FOR PROFESSIONAL EXCELLENCE

PROGRAMMES OFFERED

- ✓ PG Diploma in Disaster Management
- ✓ Diploma in Disaster Management
- ✓ Certificate Courses (Fire, First Aid, Emergency Response)
- ✓ Training for Railway, Metro & Industrial Professionals
- ✓ Mock Drills, Simulation Training & Workshops



OUR COMMITMENT

- ✓ Protecting Lives
- ✓ Securing Infrastructure
- ✓ Ensuring Operational Continuity
- ✓ Building a Resilient Nation



JOIN US IN BUILDING
A SAFER & RESILIENT INDIA

EXPERT FACULTY
& PROFESSIONALS

PRACTICAL TRAINING
& MOCK DRILLS

CERTIFICATION
PROGRAMMES

INDUSTRY & AGENCY
COLLABORATION

STATE-OF-THE-ART
FACILITIES



ACADEMY OF SAFETY & DISASTER MANAGEMENT

NATIONAL CENTRE FOR RAILWAY SAFETY EXCELLENCE

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ALL INDIA RAIL SAFETY COUNCIL (AIRSC)

*Empowering Safety Leaders.
Building Resilient Railways.
Securing a Sustainable Future.*



OUR INSTITUTIONAL PHILOSOPHY

**"We Are Creating
Professionals,
Not Just Students."**

OUR VISION

To be a globally respected academy delivering excellence in railway safety, disaster management, and professional development through innovation, research, and collaboration.

OUR MISSION

To develop skilled professionals and leaders through industry-relevant training, research, and capacity building programmes that enhance safety, resilience, and operational excellence in the railway sector.

OUR VALUES

- ✓ Safety First
- ✓ Excellence
- ✓ Integrity
- ✓ Innovation
- ✓ Teamwork
- ✓ Responsibility
- ✓ Sustainability

OUR ACADEMIC & TRAINING OFFERINGS



CERTIFICATE PROGRAMMES

Short-term industry oriented programmes on railway safety and operations



DIPLOMA PROGRAMMES

Specialized diploma courses in safety engineering, operations & disaster management



POST GRADUATE PROGRAMMES

Advanced PG programmes in railway safety, management & technology



EXECUTIVE DEVELOPMENT

Leadership and management development programmes



R&D AND CONSULTANCY

Research, studies & consultancy for railway safety and disaster risk

KEY HIGHLIGHTS



Industry-aligned curriculum with practical exposure



Experienced faculty & industry experts



State-of-the-art labs & simulation facilities



Strong industry and international collaborations



Placement assistance & career support



Focus on innovation, research & sustainability

OUR AREAS OF EXPERTISE



RAILWAY SAFETY MANAGEMENT



DISASTER RISK MANAGEMENT



FIRE SAFETY & EMERGENCY RESPONSE



OCCUPATIONAL HEALTH & ENVIRONMENT



CYBER SAFETY & E-SECURITY



OPERATIONS & ASSET MANAGEMENT



SIGNALLING & TRAIN CONTROL SYSTEMS

BUILDING A SAFER, SMARTER & SUSTAINABLE RAILWAY FUTURE



GLOBAL STANDARDS



PRACTICAL LEARNING



TECHNOLOGY DRIVEN



NATION BUILDING THROUGH SAFETY

SUPPORTING NATIONAL PRIORITIES

VIKSIT BHARAT
2047

ATMANIRBHAR
BHARAT

NET ZERO
2070

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Where Safety Meets Excellence.
Where Careers Take Shape.

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