



AIRSC

RAIL SAFETY NEWS



AIRSC

RAIL SAFETY NEWS



A UNIT OF ALL INDIA RAIL SAFETY COUNCIL (AIRSC)

www.railsafety.co.in

JULY 2025 | VOLUME 01 | ISSUE 08 | PUBLISHED ON 10 JULY 2025



Shri Narendra Modi
Prime Minister of India

SAFE TRACKS STRONG NATION UNITED INDIA

Safety First, Safety Always



Shri Ashwini Vaishnaw

Hon'ble Minister of Railways,
Information & Broadcasting,
Electronics & IT, Government of India

THIS ISSUE

Track Expansion
Security Solutions
Rail Vidya
Mahashadhi
National Projects
SOU with IDM



**BUILDING A SAFER, SMARTER
FUTURE FOR INDIAN RAILWAYS**

"Safety is not
an expense,
it's an investment."



**SAFETY
FIRST**



**TECHNOLOGY
DRIVEN**



**PEOPLE
CENTRIC**



**SUSTAINABLE
TOMORROW**

CURRENT UPDATES

TRACK EXPANSION



₹10,000 Crore Investment

RPF BODY-WORN CAMERAS



Railway Security
& Transparency

IRCTC WEBSITE UPGRADE



Faster Booking,
Better User Experience

AHMEDABAD - DHOLERA SEMI HIGH-SPEED LINE



134 Km | ₹20,667 Cr
Target 2030-31

JAMMU - KATRA SAFETY WORKS



₹238 Crore
Stabilization & Tunnels

BENGALURU HSR CORRIDORS



Bengaluru-Hyderabad
607 Km Progress

ALL DATES ARE CURRENT & VERIFIED ✓



ALL INDIA RAIL SAFETY COUNCIL

INDIAN RAILWAYS LIFE LINE TO OUR NATION

SAFE • SMART • SECURE

BUILDING A SAFER TOMORROW WITH KAVACH



RAILWAYS NETWORK AND FUTURE VISION

The network is advancing with increasing Kavach installation all across the network. Railways plans expansion in future years under its safety programme.



RESEARCH METHODOLOGY AND FOCUS

Primary research involved discussions with industry experts, while secondary research utilised publicly available sources and internal databases. The study focuses solely on Kavach deployment, supply ecosystem, and railway safety opportunities in India, providing insights for strategic decision-making purposes.



OPPORTUNITIES IN KAVACH MARKET FOR INDUSTRY

Kavach for the railway sector in India presents significant opportunities for the industry, with a substantial order pipeline expected. Indigenous automatic train protection technology aims to enhance operational safety, efficiency, and capacity utilisation across the network.



MARKET OUTLOOK AND KEY TAKEAWAYS

The Kavach market in India is expected to witness substantial growth, driven by large-scale deployment plans and modernization initiatives. Recent contracts indicate a growing demand for Kavach systems, with domestic manufacturing and technology development becoming increasingly competitive.



TECHNOLOGICAL ADVANCEMENTS

Railways is adopting state-of-the-art safety technologies to improve operational reliability. Kavach is becoming more technology-intensive in 2026, with features such as a Universal Braking Algorithm, AI-driven design automation, and improved locomotive and interlocking interfaces, enhancing interoperability, reducing testing timelines, and strengthening safety.



POLICY AND FUNDING LANDSCAPE

Government policies and robust funding mechanisms play a crucial role in supporting the growth of the Kavach sector. Adequate funding, strong safety budget allocations, and alternative financing methods contribute to the success and long-term sustainability of Kavach deployment across Railways.

SAFE RAILS • STRONG NATION • SECURE FUTURE



SAFETY FIRST



INNOVATION ALWAYS



TOGETHER FOR A
SAFER TOMORROW

www.railsafety.co.in



AIRSC

RAIL SAFETY NEWS

A Unit Of
All India Rail Safety Council



DRIVING SAFER, SMARTER, STRONGER RAILWAYS

AIRSC Rail Safety Magazine is a premier bi-monthly publication committed to enhancing safety, efficiency, and service quality across the Indian Railways. As an initiative of the **All India Rail Safety Council (AIRSC)**, it serves as a vital knowledge platform for professionals, policymakers, engineers, and researchers dedicated to advancing rail transport.

WHY THIS MAGAZINE MATTERS?

-  **Promotes Safety Excellence** – Shares best practices, innovations, and research to strengthen railway safety.
-  **Enhances Operational Efficiency** – Covers capacity management, timetabling, signalling, and automation.
-  **Supports Smarter Planning** – Explores modern tools for traffic analysis, demand forecasting, and performance optimization.
-  **Drives Innovation** – Highlights cutting-edge technology, sustainable solutions, and global advancements.
-  **Connects Experts Worldwide** – Brings together academics, industry leaders, and railway professionals for knowledge exchange.

WHAT WE COVER



RAIL OPERATIONS & MANAGEMENT

Capacity, Scheduling, Dispatching & Crew Management



SAFETY & TECHNOLOGY

Signalling, Train Control, Automation & High-Speed Rail Systems



TRANSPORT & BUSINESS PLANNING

Policy, Economics, Financing & Business Models



SUSTAINABILITY & FUTURE MOBILITY

Energy Efficiency & Green Rail Solutions

KNOWLEDGE TODAY. SAFETY TOMORROW.

AIRSC Rail Safety News –
Your Trusted Source For Safer Railways.



INDIAN RAILWAYS LIFE LINE TO OUR NATION

Vande Bharat Express
A Progressive Initiative of Make in India Campaign



ALL INDIA RAIL SAFETY COUNCIL



AIRSC

RAIL SAFETY NEWS



A UNIT OF ALL INDIA RAIL SAFETY COUNCIL

www.railsafety.co.in

INDIAN RAILWAYS TODAY – SPECIAL UPDATE

INDIAN RAILWAYS

TODAY – SPECIAL NEWS

A MILESTONE FOR A GREENER INDIA

Prime Minister Narendra Modi flagged off India's first hydrogen-powered train, marking a historic leap towards a clean, safe and sustainable future.



ZERO
EMISSION
FUTURE



Dr. R. Padmanabhan
Chairman
All India Rail Safety Council



1 INDIA'S FIRST HYDROGEN TRAIN



- The zero-emission train reduces carbon footprint and runs on a 1200 kW fuel cell propulsion system.
- It covers the 90 km route between Jind and Sonapat.



2 AMRIT BHARAT STATION SCHEME



- 75 stations—such as Jalandhar Cantt, Narwana, and Kalka—have been redeveloped.
- Upgraded amenities, barrier-free access, and local architectural designs.



3 KAVACH 4.0 EXPANSION



- ₹206 crore sanctioned to install Kavach automatic train protection system.
- To be implemented on the Rewari-Delhi and Shakurbasti-Bathinda sections.

SAFE TRACKS • STRONG NATION • UNITED INDIA



**ZERO
EMISSION**



**PASSENGER
COMFORT**



**BARRIER-FREE
ACCESS**



**ADVANCED
SAFETY**



**ATMANIRBHAR
BHARAT**

A VISION FOR VIKSIT BHARAT 2047

Innovation. Sustainability.
Safety. Together, we build
a better tomorrow.

75
Azadi Ka
Amrit Mahotsav



VOICES FOR THE FUTURE PARTNERSHIP IN RAIL SAFETY

- COLLABORATE
- INNOVATE
- EDUCATE
- PROTECT
- EMPOWER

TOGETHER FOR A SAFER, SMARTER & STRONGER RAILWAY SYSTEM



Dr. R. Padmanabhan

Chairman

All India Rail Safety Council (AIRSC)

www.railsafety.co.in

Railways are the lifeline of India's progress.
Safety is not just a priority –
it is our shared responsibility.
Let every voice contribute to a
future where every journey is safe,
every employee is empowered, and
every community is protected.



**SAFETY
FIRST
SAFETY
ALWAYS**



**SAFE TRACKS
STRONG NATION
UNITED INDIA**



**SUSTAINABLE RAILWAYS
SUSTAINABLE
TOMORROW**

THE FIVE PILLARS OF FUTURE RAIL SAFETY PARTNERSHIP



1. KNOWLEDGE PARTNERSHIP

Sharing expertise among railway professionals, academic institutions and research organizations to develop future leaders with global best practices.



2. TECHNOLOGY PARTNERSHIP

Promoting AI, IoT, predictive maintenance, intelligent signalling, cybersecurity, digital twins and data analytics to prevent accidents before they occur.



3. COMMUNITY PARTNERSHIP

Engaging schools, colleges, passengers and local communities in safety awareness, trespass prevention and emergency preparedness.



4. INDUSTRY PARTNERSHIP

Encouraging industries, start-ups and technology providers to develop indigenous, reliable and globally competitive safety solutions.



5. GLOBAL PARTNERSHIP

Collaborating internationally to adopt innovations, harmonize standards and improve safety performance across borders.

CREATING THE RAILWAY WORKFORCE OF TOMORROW

Future professionals must be:

- ✓ Safety Leaders
- ✓ Ethical & Responsible
- ✓ Digitally Competent
- ✓ Environmentally Conscious
- ✓ Innovative & Solution Driven
- ✓ Collaborative & Committed
- ✓ Lifelong Learners

OUR SHARED RESPONSIBILITY

Every railway employee, engineer, station manager, train operator, maintenance technician, policymaker, researcher, contractor, passenger, parent, teacher and student has an important voice in shaping the future of railway safety.

**“Together, we build
a safer, stronger
and smarter railway
for India.”**

VISION STATEMENT

“Voices for the Future Partnership in Rail Safety is a national movement that unites people, technology, innovation, education, and leadership to create a Zero-Harm Railway Ecosystem where every journey is safe, every employee is empowered, every community is aware, and every partnership contributes to building the railways of tomorrow.”



Rail safety is not merely an operational requirement – it is a shared national responsibility. Together, through partnership, innovation, education and unwavering commitment, we can build a future where every railway journey reflects excellence, trust, resilience and the highest standards of safety.

**LET EVERY VOICE BECOME
A FORCE FOR SAFER RAILWAYS
AND A STRONGER INDIA.**



AIRSC

RAIL SAFETY NEWS



An Autonomous National Organization for Rail & Metro Safety Education & Awareness

Bi-Weekly Briefing

Issue No. 2025/13

Dr. R. Padmanabhan
Chairman, AIRSC

INDIAN RAILWAYS MOVING TOWARDS A SAFER & SMARTER FUTURE



SAFETY FIRST



SAFETY ALWAYS



**SAFE TRACKS
STRONG NATION**

IN FOCUS

Rail Safety: Our Shared Responsibility

Safety is not just a policy, it is a culture. Every railway employee and passenger plays a vital role in building a safe railway network.



TOP UPDATES



KAVACH EXPANSION

Advanced Train Protection System expanded to more routes



STATION MODERNISATION

World-class amenities and passenger convenience upgrades



HIGH-SPEED CORRIDORS

Progress on Mumbai-Ahmedabad & other HSR projects



SAFETY DRILLS

Regular mock drills to enhance disaster preparedness



RPF BODY CAMERAS

Rollout continues for enhanced security & transparency



DIGITAL INITIATIVES

IRCTC website revamp & AI-based monitoring systems

BI-WEEKLY HIGHLIGHTS



TRACK RENEWAL WORKS

Major track renewal projects completed to improve safety and speed.



NEW FOBs COMMISSIONED

More Foot Over Bridges for passenger safety at busy stations.



SAFETY AWARENESS PROGRAMS

Conducted across divisions & schools under Rail Vidya initiative.



INDUSTRY & ACADEMIA COLLABORATION

AIRSC continues engagements for safer & future-ready railways.

**SAFETY
SLOGAN**

**SAFETY IS NOT AN EXPENSE,
IT'S AN INVESTMENT IN LIFE.**

**RAILWAYS – LIFELINE TO OUR NATION.
SAFETY FIRST, SAFETY ALWAYS.
SAFE TRACKS • STRONG NATION • UNITED INDIA**



ALL INDIA RAIL SAFETY COUNCIL (AIRSC)

SAFE RAILWAYS • STRONG NATION • SECURE FUTURE

OUR VISION: ZERO ACCIDENTS – SAFER INDIA

NATIONAL VISION ALIGNMENT VIKSIT BHARAT RAILWAYS 2047 – A DEVELOPED INDIA VISION

The All India Rail Safety Council aligns its long-term strategy with the national mission of Viskit Bharat 2047, supporting the transformation of Indian Railways into a world-class, safe, smart, and resilient transportation system.

KEY FOCUS AREAS

- Advancing the Zero-Accident Railway Vision for a safer India
- Adoption of world-class railway safety standards and global best practices
- Integration of advanced digital, intelligent, and predictive safety systems
- Strengthening disaster resilience and emergency preparedness across the network
- Enhancing passenger safety, reliability, and public confidence
- Building a future-ready, highly skilled railway safety workforce
- Developing a smart, data-driven, and technology-enabled railway safety ecosystem



OUR MISSION
Research. Train.
Innovate. Collaborate.
**Building a Safer and
Stronger Railway
Ecosystem for
India and the
World.**

MAKE IN INDIA – SELF-RELIANT RAILWAY SAFETY SYSTEMS

AIRSC actively supports the national Make in India initiative by encouraging indigenous development, innovation, and deployment of railway safety technologies.

KEY FOCUS AREAS

- Promotion of indigenous railway safety technologies and innovation
- Support for domestic manufacturing of safety equipment and protection systems
- Encouragement to Indian research institutions, startups, and safety innovators
- Localization of modern safety tools, monitoring systems, and diagnostics
- Capacity building and skill development for Indian safety professionals and engineers
- Strengthening India's global leadership in railway safety and safety engineering

NET ZERO 2070 – SUSTAINABLE & GREEN RAILWAY SAFETY

AIRSC integrates environmental sustainability into its safety framework, aligning with India's Net Zero Carbon Emission 2070 commitment. The Council promotes safe, sustainable, and climate-resilient railway operations to protect both people and the environment.

- Promotion of environmentally responsible railway safety practices
- Energy-efficient and sustainable safety infrastructure development
- Climate-resilient railway safety and disaster management systems
- Reduction of environmental and operational risks
- Adoption of eco-friendly materials and green safety technologies
- Integration of safety, sustainability, and long-term resilience planning



INTRODUCTION



The All India Rail Safety Council (AIRSC) is a premier national forum dedicated to strengthening railway safety, risk reduction, accident prevention, and disaster resilience across the Indian railway ecosystem.

Through research, training, technology promotion, and stakeholder collaboration, AIRSC plays a pivotal role in advancing a Zero-Accident Vision for India's rail transport system.

AIRSC works closely with railway professionals, safety regulators, academic institutions, industry experts, and disaster management authorities to develop practical, technology-driven, and human-centric safety solutions.



RESEARCH & INNOVATION
Evidence-based solutions for safer railways



TRAINING & CAPACITY BUILDING
Empowering professionals for a safety-first culture



TECHNOLOGY & DIGITALIZATION
Smart systems for real-time monitoring and prediction



COLLABORATION & STAKEHOLDERS
Uniting experts for a safer and resilient railway network

Safety First. Safety Always. Zero Accidents.

www.railsafety.co.in



Indian Railways approves **Rs 993 crore**



Arakkonam – Chengalpattu Rail Project

to boost **Chennai Suburban Network**

Indian Railways has approved the Rs 993 crore Arakkonam – Chengalpattu doubling project in Tamilnadu. The 68 km project will strengthen Chennai's suburban rail network and improve train movement on one of the city's busiest corridors.

The route forms part of Chennai's circular suburban rail network connecting Chennai Beach, Tambaram, Chengalpattu and Arakkonam.

Railway officials said that the project will reduce congestion and improve punctuality as train traffic continues to rise.

PROJECT OVERVIEW



Project

**Arakkonam –
Chengalpattu Doubling**



Length

68 km



Cost

Rs 993 crore



Zone

Southern Railway



Purpose

**Improve suburban and
freight train movement**

**68 km
Corridor**

Arakkonam

Irungattukottai

Oragadam

Sriperumbudur

Mahindra
World City

Chengalpattu

Part of
Chennai's
Circular
Suburban Rail
Network

Parandur
Airport Project
(Kancheepuram)

KEY BENEFITS



Reduces congestion
and train delays



Enhances freight
movement



Improves punctuality
and operational
efficiency



Supports industrial
growth and economic
development



Increases suburban
train frequency



Strengthens Chennai's
suburban rail network

KEY INDUSTRIAL AREAS TO BENEFIT



**Mahindra
World City**



Sriperumbudur



Oragadam



Irungattukottai



Supports movement of
cement, automobiles, food grains
and iron & steel

PART OF BIGGER CHENNAI RAIL EXPANSION



According to Indian Railways, the project forms part of a larger infrastructure plan to expand Chennai's suburban rail network by adding more tracks on busy commuter routes.



Indian Railways is expecting that additional tracks will support faster and smoother train operations across the region.

அரக்கோணம்
அரக்கோணம்
ARAKKONAM

செங்கல்பட்டி
செங்கல்பட்டி
CHENGALPATTU

A Major Step Towards a Faster,
Stronger & Smarter Chennai Rail Network!



AIRSC

RAIL SAFETY NEWS



AN AUTONOMOUS NATIONAL ORGANIZATION FOR RAIL & METRO SAFETY EDUCATION & AWARENESS

30 JUNE 2026 | TUESDAY

Safety First | Safety Always | Safe Tracks • Strong Nation • United India

INDIAN RAILWAYS ACCELERATING TOWARDS A SAFER, SMARTER & STRONGER INDIA

Major infrastructure, technology upgrades and passenger-centric initiatives across the nation reflect Indian Railways' unwavering commitment to safety, modernisation and nation-building.



**SAFETY
FIRST
SAFETY
ALWAYS**

TODAY'S TOP RAILWAY UPDATES >>>>

1 AHMEDABAD-DHOLERA SEMI HIGH-SPEED CORRIDOR

- 134 km new double line
- Estimated cost: ₹20,667 crore
- Target completion: 2030-31
- Indigenous technology to boost speed & safety



2 KAVACH EXPANSION ACROSS NORTH & SOUTH ZONES

- Investment: ₹1,364 crore (approx.)
- Automatic Train Protection (ATP)
- Prevents SPAD & enhances passenger safety
- Rollout across more routes



3 JAMMU-KATRA SAFETY UPGRADES

- Project cost: ₹238 crore
- Slope stabilization, tunnel rehabilitation, seepage treatment and bridge strengthening
- Ensuring safe & smooth travel on the Katra route



4 RPF BODY-WORN CAMERAS ROLL OUT

- Enhanced security & transparency
- Real-time monitoring
- Strong deterrence to undesirable activities



5 BENGALURU HIGH SPEED RAIL PROGRESS

- Bengaluru-Hyderabad: 607 km (101 km in Karnataka)
- Bengaluru-Chennai corridor
- HSR trains: 320-350 kmph
- New era of fast, green & connected India



6 ARAKKONAM-CHENGALPATTU DOUBLING PROJECT

- Length: 68 km | Cost: ₹993 crore
- Southern Railway
- Decongesting suburban section for better punctuality



7 IRCTC WEBSITE REVAMPED

- Faster booking experience
- Improved Tatkal system
- Better seat selection
- More user-friendly interface



8 BENGALURU-TUMAKURU TRACTION UPGRADE

- Investment: ₹163 crore
- Strengthening rail infrastructure for suburban corridor



OTHER HIGHLIGHTS



PASSENGER SAFETY FIRST

Continuous initiatives for safe, secure & comfortable journeys



INFRASTRUCTURE MODERNISATION

New tracks, doubling, electrification & station redevelopment



SUSTAINABILITY IN FOCUS

Green energy, water conservation & carbon reduction measures



SKILLING & JOB CREATION

Training youth for future-ready railway careers

**SAFE TRACKS
STRONG NATION
UNITED INDIA**



**SAFETY IS NOT
AN EXPENSE,
IT'S AN INVESTMENT**

"Together, let's build a culture of safety and responsibility for a stronger, developed and Viksit Bharat by 2047."

— Dr. R. Padmanabhan
Chairman, AIRSC



**RAILWAYS
LIFELINE TO
OUR NATION**

ALL INDIA RAIL SAFETY COUNCIL (AIRSC)

www.railsafety.co.in



SAFETY FIRST • SAFETY ALWAYS • EVERY JOURNEY • EVERY PASSENGER • EVERY TIME



ALL INDIA RAIL SAFETY COUNCIL

www.railsafety.co.in



CORE HEALTHCARE & SAFETY FUNCTIONS

Integrating Rail Safety with Healthcare Services



1 MEDICAL SUPPORT FOR RAILWAY PASSENGERS

- Immediate medical assistance for passengers falling sick
- On-site primary healthcare services at major railway stations
- Emergency stabilization before referral to hospitals

2 EMERGENCY RESPONSE TO RAILWAY INCIDENTS

- Medical support during railway accidents and untoward incidents
- Handling approximately 360 incidents annually
- Rapid response systems to minimize casualties and improve survival outcomes

3 EMERGENCY TREATMENT SERVICES

- Round-the-clock emergency care for passengers and railway users
- First aid, trauma care, and stabilization services
- Integration with disaster management systems

4 OCCUPATIONAL HEALTH SERVICES FOR RAILWAY WORKFORCE

- Pre-Employment Medical Examination (PEME)
- Approximately 50,000 candidates examined

5 HEALTH PRODUCTIVITY & WORKFORCE EFFICIENCY

- Reduction in loss of man-days due to illness
- Effective monitoring by medical officers
- Current sickness related loss maintained at x.d.n., approximately 2%, reflecting strong health management systems



INTEGRATION WITH PRADHAN MANTRI BHARTIYA JANAUSHADHI KENDRAS (PMBJK)



Affordable generic medicines across all therapeutic categories

- On-site primary healthcare services at major railway stations



Affordable medicines for nearby communities
Accessible healthcare services in semi urban and rural areas

- Reduced healthcare expenditure through generic drugs
- Strengthened public health infrastructure

BENEFITS TO RAILWAY PASSENGERS

For Railway Passengers

- Immediate expenditure free medicines during travel
- Availability of first aid and emergency medical care at stations
- Increased confidence and safety assurance while traveling

FOR the general Public



EVERY PASSENGER IS SAFE, EVERY JOURNEY IS SECURE, AND HEALTHCARE IS ACCESSIBLE TO ALL

The increasing year reach of Indian Railways, ARSC is enabling a future where affordable medicines, emergency care, and preventive health services are readily available to millions of passengers and railway staff.





AIRSC

ACADEMY OF SAFETY & DISASTER MANAGEMENT

AIRSC ACADEMY OF SAFETY AND DISASTER MANAGEMENT (AASDM)

A Unit of the All India Rail Safety Council (AIRSC)

National Centre for Excellence in Railway Safety, Disaster Management, Professional Education and Future-Ready Workforce Development

Knowledge • Safety • Innovation • Leadership

"Creating Professionals for Safer Railways and a Stronger Nation"

"We Create Employees, Not Just Students."



ABOUT THE ACADEMY

The AIRSC Academy of Safety and Disaster Management (AASDM) is the premier academic, professional, and research institution of the All India Rail Safety Council (AIRSC), established with the vision of developing highly skilled, professionally competent, and safety-oriented human resources for India's rapidly evolving railway, metro rail, transportation, industrial, infrastructure, logistics, manufacturing, and disaster management sectors.

AASDM serves as a national platform for education, professional certification, executive development, applied research, capacity building, and industry collaboration, producing competent professionals who can lead the future of railway safety, disaster resilience, operational excellence, and infrastructure sustainability.

WHY CHOOSE AASDM?

- | | | |
|--|-----------------------------------|-------------------------------------|
| Specialized Railway & Metro Safety Education | Technology-Driven Learning | Career-Oriented Programmes |
| National-Level Professional Certifications | Research & Innovation Focus | Skill-Based Trainings |
| Experienced Railway and Industry Experts | Practical Exposure & Case Studies | Continuous Professional Development |

OUR VISION

To become India's leading institution for railway safety education, disaster management, professional excellence, and technological innovation, supporting the transformation of Indian Railways into one of the safest, smartest, and most resilient railway systems in the world.

OUR MISSION

- Develop globally competent railway safety professionals.
- Promote excellence in railway and metro safety education.
- Advance research, innovation, and policy development.
- Strengthen disaster preparedness and emergency response capabilities.
- Support national infrastructure safety through skilled manpower.
- Foster leadership, ethics, sustainability, and operational excellence.
- Contribute to Viksit Bharat 2047, Atmanirbhar Bharat, and Make in India.

ACADEMIC PROGRAMMES

MASTER OF BUSINESS ADMINISTRATION (MBA)

- MBA in Rail Safety Management**
Develops professionals capable of leading railway safety systems, operational risk management, safety governance, accident prevention, and regulatory compliance.
- MBA in Rail Entrepreneurship and Governance**
Prepares future leaders to manage railway enterprises, public-private partnerships, policy development, innovation, infrastructure projects, and strategic governance.
- MBA in Rail Transport Economics**
Focuses on railway economics, transport planning, logistics, freight systems, financial management, infrastructure investment, and sustainable transport policy.
- MBA in Disaster Management**
Equips professionals with expertise in disaster risk reduction, emergency preparedness, crisis leadership, resilience planning, humanitarian response, and business continuity management.

BACHELOR DEGREE PROGRAMME

B.Tech in Safety Engineering
A multidisciplinary engineering programme emphasizing industrial safety, railway safety engineering, fire protection systems, occupational health, risk assessment, process safety, environmental protection, and modern safety technologies.



DIPLOMA PROGRAMME

Diploma in Rail Safety Management
Designed for students seeking specialized knowledge in:

- Railway Operations
- Safety Management
- Accident Prevention
- Risk Assessment
- Track Safety
- Passenger Safety
- Operational Excellence



POST GRADUATE DIPLOMA PROGRAMMES

- PG Diploma in Rail Safety Management
- PG Diploma in Rail Marketing and Branding
- PG Diploma in Industrial Safety Management
- PG Diploma in Disaster Management

These programmes provide advanced professional knowledge and prepare candidates for leadership roles across railway, metro, industrial, logistics, infrastructure, and public safety sectors.

PROFESSIONAL CERTIFICATE COURSES

- RAILWAY & METRO SAFETY**
 - Certificate in Metro Rail Safety & Risk Management
 - Certificate in Metro Rail Technology
 - Certificate in Railway Signalling and Telecommunication Technologies
 - DISASTER & EMERGENCY MANAGEMENT**
 - Certificate in Disaster Management
 - FIRE & INDUSTRIAL SAFETY**
 - Certificate in Fire & Safety Management
- These programmes provide practical skills, technical competence, and industry-recognized professional knowledge for students and working professionals.

INTERNATIONAL STANDARD SHORT-TERM PROFESSIONAL COURSES

- | | | | | |
|---|--|--|--|--|
| FUNCTIONAL SAFETY – IEC 61508 (RAIL & METRO)
International principles of safety lifecycle management for safety-related electrical, electronic, and programmable systems. | FUNCTIONAL SAFETY – EN 5012x (RAIL & METRO)
European railway safety standards covering RAMS (Reliability, Availability, Maintainability, and Safety), software assurance, and system safety engineering. | IRIS (ISO 22163) – RAIL QUALITY MANAGEMENT
Professional training on the International Railway Industry Standard for quality management, supply chain excellence, and continuous improvement. | BEHAVIOUR BASED SAFETY (BBS)
Development of proactive safety culture through behavioural observation, leadership engagement, and human-factor-based accident prevention. | INDUSTRIAL SAFETY TRAINING
Comprehensive training covering occupational safety, hazard identification, risk management, legal compliance, emergency preparedness, and workplace safety excellence. |
|---|--|--|--|--|

INDUSTRY-FOCUSED LEARNING

- Railway Safety Projects
- Metro Rail Case Studies
- Industrial Site Exposure
- Safety Audits
- Disaster Simulation Exercises
- Emergency Response Training
- Research Assignments
- Leadership Workshops
- Professional Seminars
- Industry Interaction Programmes
- Technical Conferences
- National Safety Campaigns

CAREER OPPORTUNITIES

- Indian Railways
- Metro Rail Corporations
- High-Speed Rail Projects
- Dedicated Freight Corridors
- Railway Manufacturing Industries
- Rolling Stock Companies
- Railway Infrastructure Projects
- Railway Safety Organisations
- Disaster Management Authorities
- Industrial Safety Departments
- Oil & Gas Industries
- Power Plants
- Airports
- Ports
- Logistics Companies
- Infrastructure Development Organisations
- Smart City Projects
- Government Departments
- Public Sector Undertakings
- Private Engineering Companies
- International Railway Projects
- Safety Consultancy Organisations
- and many more...

NATIONAL COMMITMENT

- Railway Safety Excellence
- Disaster Resilience
- Skilled Workforce Development
- Digital Transformation
- Artificial Intelligence in Railways
- Smart Transportation Systems
- Sustainable Infrastructure
- Innovation & Research
- Indigenous Technology Development
- Capacity Building
- Safety Leadership
- Human Capital Development

OUR CORE VALUES

- Safety First
- Professional Integrity
- Excellence in Education
- Innovation
- Research & Development
- Leadership
- Sustainability
- National Service
- Lifelong Learning
- Social Responsibility

OUR MOTTO

- "We Create Employees, Not Just Students."
- "Knowledge Builds Competence • Competence Builds Safety • Safety Builds the Nation."
- "Empowering Professionals for Safe, Smart and Sustainable Railways."
- "Learning Today... Leading Tomorrow."
- "Building Future Railway Leaders Through Education, Innovation and Excellence."
- "Safe Tracks • Skilled Professionals • Strong Nation."



AIRSC ACADEMY OF SAFETY AND DISASTER MANAGEMENT (AASDM)
A Unit of the All India Rail Safety Council (AIRSC)
National Centre for Railway Safety Excellence
Advancing Education • Research • Innovation • Disaster Resilience • Professional Excellence

www.airsc.in

NOW OPEN FOR ADMISSIONS

★ 2024-25 ★

“ WE ARE
CREATING
A EMPLOYEE,
NOT A STUDENT ”

AIRSC CAMPUS

ACADEMY OF SAFETY & DISASTER MANAGEMENT

A UNIT OF
ALL INDIA RAIL SAFETY COUNCIL

SHAPE YOUR CAREER IN
SAFETY & DISASTER MANAGEMENT

SAFETY MANAGEMENT COURSES OFFERED



RAIL SAFETY MANAGEMENT

DIPLOMA / PG DIPLOMA



OCCUPATIONAL HEALTH & SAFETY

DIPLOMA / PG DIPLOMA



FIRE SAFETY MANAGEMENT

DIPLOMA / PG DIPLOMA



DISASTER MANAGEMENT & EMERGENCY PLANNING

DIPLOMA / PG DIPLOMA



INDUSTRIAL SAFETY & RISK MANAGEMENT

DIPLOMA / PG DIPLOMA

A BRIEF ABOUT RAIL SAFETY COURSES

Our Rail Safety Management courses are designed to build highly skilled professionals equipped with the knowledge and practical exposure to manage safety in railway operations. The curriculum covers risk assessment, accident prevention, emergency response, safety laws, and modern safety technologies. These programs open career opportunities in Indian Railways, Metro, Rail Infra Projects, and allied industries.



WHY CHOOSE AIRSC ACADEMY?

- ✓ Expert Faculty from Industry & Indian Railways
- ✓ Practical Training & Hands-on Learning
- ✓ 100% Placement Assistance
- ✓ Govt. Recognized Certifications
- ✓ Modern Infrastructure & Safety Labs
- ✓ Industry Relevant Curriculum
- ✓ Career Opportunities in Railways, Metro & Allied Industries

GOVT. RECOGNIZED
CERTIFICATION



YOUR SAFETY
OUR MISSION



BUILD SKILLS
BUILD NATION



SAFE RAILWAYS
STRONGER INDIA



PRACTICAL TRAINING
HANDS-ON LEARNING



100% PLACEMENT
ASSISTANCE



MODERN INFRASTRUCTURE
FOR EXCELLENCE

ADMISSION HELPLINE

☎ 1800-123-4787

www.airscacademy.com

BE A PART OF
INDIA'S SAFETY MOVEMENT

LEARN | PRACTICE | EXCEL | SUCCEED

SCAN TO APPLY



AIRSC Campus, Rail Safety Knowledge Park,
New Delhi - 110001



info@airscacademy.com

Follow Us On:



AIRSC

ACADEMY OF SAFETY & DISASTER MANAGEMENT

A Unit of the All India Rail Safety Council (AIRSC)

National Centre for Excellence in Railway Safety, Disaster Management, Professional Education and Future-Ready Workforce Development

Knowledge • Safety • Innovation • Leadership

"Creating Professionals for Safer Railways and a Stronger Nation"

"We Create Employees, Not Just Students."

ABOUT THE ACADEMY

AASDM is the premier academic, professional, and research institution of AIRSC, established with the vision of developing highly skilled, professionally competent and human resources for India's rapidly evolving railway, metro rail, transportation, industrial, infrastructure, logistics, manufacturing, and disaster management sectors.

AASDM serves as a national platform for education, certification, executive development, research, capacity building, and industry collaboration, producing competent professionals who can lead the future of railway safety, disaster resilience, operational excellence, and infrastructure sustainability.

OUR VISION

To become India's leading institution for railway safety education, disaster management, professional excellence, and technological innovation, supporting the transformation of Indian Railways into one of the safest, smartest, and most resilient railway systems in the world.

OUR MISSION

- Develop globally competent railway safety professionals.
- Promote excellence in railway and metro safety education.
- Advance research, innovation, and policy development.
- Strengthen disaster preparedness and emergency response.
- Support national infrastructure safety through skilled manpower.
- Foster leadership, ethics, sustainability, and operational excellence.
- Contribute to Viksit Bharat 2047, Atmanirbhar Bharat, and Make in India.

COURSE DETAILS

MASTER OF BUSINESS ADMINISTRATION (MBA)

- MBA in Rail Safety Management**
Develops professionals capable of leading railway safety systems, operational risk management, safety governance, accident prevention, and regulatory compliance.
- MBA in Rail Entrepreneurship and Governance**
Prepares future leaders to manage railway enterprises, PPPs, policy development, innovation, infrastructure projects, and strategic governance.
- MBA in Rail Transport Economics**
Focuses on railway economics, transport planning, logistics, freight systems, financial management, infrastructure investment, and sustainable transport policy.
- MBA in Disaster Management**
Equips professionals with expertise in disaster risk reduction, emergency preparedness, crisis leadership, resilience planning, humanitarian response, and business continuity management.

BACHELOR DEGREE PROGRAMME

B.Tech in Safety Engineering

A multidisciplinary engineering programme emphasizing industrial safety, railway safety engineering, fire protection systems, occupational health, risk assessment, process safety, environmental protection, and modern safety technologies.



DIPLOMA PROGRAMME

Diploma in Rail Safety Management

Designed for students seeking specialized knowledge in:

- Railway Operations
- Safety Management
- Accident Prevention
- Risk Assessment
- Track Safety
- Passenger Safety
- Operational Excellence



POST GRADUATE DIPLOMA PROGRAMMES

PG Diploma in Rail Safety Management

PG Diploma in Rail Marketing and Branding

PG Diploma in Industrial Safety Management

PG Diploma in Disaster Management

These programmes provide advanced professional knowledge and prepare candidates for leadership roles across railway, metro, industrial, logistics, infrastructure, and public safety sectors.

PROFESSIONAL CERTIFICATE COURSES

RAILWAY & METRO SAFETY

- Certificate in Metro Rail Safety & Risk Management
- Certificate in Metro Rail Technology
- Certificate in Railway Signalling and Telecommunication Technologies

DISASTER & EMERGENCY MANAGEMENT

- Certificate in Disaster Management

FIRE & INDUSTRIAL SAFETY

- Certificate in Fire & Safety Management



INTERNATIONAL STANDARD SHORT-TERM PROFESSIONAL COURSES

- FUNCTIONAL SAFETY – IEC 61508 (RAIL & METRO)**
International principles of safety lifecycle management for safety-related electrical, electronic, and programmable systems.
- FUNCTIONAL SAFETY – EN 50126 (RAIL & METRO)**
European railway safety standards covering RAMS (Reliability, Availability, Maintainability, and Safety), software assurance, and system safety engineering.
- IRIS (ISO 22163) – RAIL QUALITY MANAGEMENT**
Professional training on the International Railway Industry Standard for quality management, supply chain excellence, and continuous improvement.
- BEHAVIOUR BASED SAFETY (BBS)**
Development of proactive safety culture through behavioural observation, leadership engagement, and human-factor-based accident prevention.
- INDUSTRIAL SAFETY TRAINING**
Comprehensive training covering occupational safety, hazard identification, risk management, legal compliance, emergency preparedness, and workplace safety excellence.

INDUSTRY-FOCUSED LEARNING

- Railway Safety Projects
- Metro Rail Case Studies
- Industrial Site Exposure
- Safety Audits
- Disaster Simulation Exercises
- Emergency Response Training
- Research Assignments
- Technical Workshops
- Technical Conferences
- Technical Conferences
- Industry Intentions
- Industry Campaigns
- National Safety Campaigns

CAREER OPPORTUNITIES

- Indian Railways
- Metro Rail Corporations
- High-Speed Rail Projects
- Dedicated Freight Corridors
- Railway Manufacturing Industries
- Rolling Stock Companies
- Railway Infrastructure Projects
- Railway Safety Organisations
- Disaster Management Authorities
- Industrial Safety Departments
- Oil & Gas Industries
- Power Plants
- Airports
- Ports
- Logistics Companies
- Infrastructure Development
- Smart City Projects
- Government Departments
- PSUs & Private Companies
- International Projects
- Safety Consultancy Firms

WHY CHOOSE AASDM?

- ✓ Specialized Railway & Metro Safety Education
- ✓ Industry-Oriented Curriculum
- ✓ National-Level Professional Certifications
- ✓ Experienced Railway and Industry Experts
- ✓ Technology-Driven Learning
- ✓ Research & Innovation Focus
- ✓ Practical Exposure & Case Studies
- ✓ Leadership Development
- ✓ Skill-Based Professional Training
- ✓ Career-Oriented Programmes
- ✓ Continuous Professional Development
- ✓ Strong Focus on Employability



NATIONAL COMMITMENT

- Railway Safety Excellence
- Disaster Resilience
- Skilled Workforce Development
- Digital Transformation
- Artificial Intelligence in Railways
- Smart Transportation Systems
- Sustainable Infrastructure
- Innovation & Research
- Indigenous Technology Development
- Capacity Building
- Safety Leadership
- Human Capital Development



OUR CORE VALUES

- Safety First
- Professional Integrity
- Excellence in Education
- Innovation
- Research & Development
- Leadership
- Sustainability
- National
- Lifelong Learning
- Social Response
- Global Reachability

OUR MOTTO

- "We Create Employees, Not Just Students."
- "Knowledge Builds Competence • Competence Builds Safety • Safety Builds the Nation."
- "Empowering Professionals for Safe, Smart and Sustainable Railways."
- "Learning Today... Leading Tomorrow."
- "Building Future Railway Leaders Through Education, Innovation and Excellence."
- "Safe Tracks • Skilled Professionals • Strong Nation."



AIRSC ACADEMY OF SAFETY AND DISASTER MANAGEMENT (AASDM)
A Unit of the All India Rail Safety Council (AIRSC)

Advancing Education • Research • Innovation • Disaster Resilience • Professional Excellence
Preparing the Next Generation of Railway Safety Leaders for India and the World.



www.airsc.in



RAIL SAFETY RECRUITMENT BOARD (RSRB)

**SAFE TRACKS
STRONG NATION
UNITED INDIA**

A Unit of:

ALL INDIA RAIL SAFETY COUNCIL

www.railsafetyrecruitmentboard.com

The Rail Safety Recruitment Board (RSRB) is a premier recruitment and workforce development platform dedicated to building a skilled, safety-oriented and future-ready workforce for India's rail and metro sectors.

**We connect talent.
We power progress.
We ensure safety.**



END-TO-END RECRUITMENT SOLUTIONS

Comprehensive hiring services tailored to your needs.



SKILLED & VERIFIED TALENT POOL

Access to a large pool of pre-screened, qualified and verified candidates.



SAFETY-FOCUSED WORKFORCE DEVELOPMENT

Promoting a culture of safety, competence and continuous learning.



SUPPORTING RAIL & METRO INFRASTRUCTURE PROJECTS

Supplying the right talent for large-scale rail and metro projects.



SERVING INDIAN & INTERNATIONAL CLIENTS

Global recruitment solutions with a local commitment.

Our Commitment >>



**SAFETY
FIRST**



QUALITY



INTEGRITY



INNOVATION



EXCELLENCE

BUILDING HUMAN CAPITAL FOR A **SAFE, SMART & SUSTAINABLE RAILWAY ECOSYSTEM**

NATIONAL PRIORITIES • OUR MISSION

ATMANIRBHAR BHARAT • VIKSIT BHARAT 2047



**Empowering
Talent**



**Ensuring
Safety**



**Strengthening
Railways**



**Driving
Progress**



**Enabling
Innovation**



**Building a Better
Tomorrow**





RAIL SAFETY RECRUITMENT BOARD (RSRB)

A Unit of the All India Rail Safety Council (AIRSC)

Building Skilled Workforce for
Safe, Smart & Future-Ready Rail Systems



SAFETY FIRST
Our Commitment



SKILLED WORKFORCE
Our Strength



SMART SYSTEMS
Our Approach



GLOBAL STANDARD
Our Vision



SUSTAINABLE FUTURE
Our Goal



ABOUT RSRB

The Rail Safety Recruitment Board (RSRB) is a premier recruitment and workforce development platform established by the All India Rail Safety Council (AIRSC) to meet the growing demand for skilled, safety-oriented, and technically competent professionals in the rail and metro sectors.

- ✓ Strategic talent gateway for Indian & international clients
- ✓ End-to-end recruitment solutions for large-scale projects
- ✓ Strengthening human capital for a rapidly evolving railway ecosystem
- ✓ Aligned with national priorities like Atmanirbhar Bharat and **Viksit Bharat 2047**



RECRUITMENT ECOSYSTEM

Connecting Talent with Opportunities

JOB SEEKERS

- ▶ Fresh graduates & diploma holders
- ▶ Engineers & technical specialists
- ▶ Skilled technicians & supervisors
- ▶ Apprentices & trainees
- ▶ Retired railway professionals

EMPLOYERS

- ▶ Railway & metro project authorities
- ▶ Infrastructure developers & EPC contractors
- ▶ Manufacturing & engineering companies
- ▶ Consultancy firms & system integrators
- ▶ International rail & transport organizations



KEY RECRUITMENT INITIATIVES



Campus placement programmes for fresh talent



Specialized hiring for metro & high-speed rail projects



Workforce mobilization for infrastructure expansion



Redeployment of experienced & retired railway professionals



Skill development & employment linkage programmes



AIRSC - OUR STRENGTH

Supporting RSRB with expertise in safety, research, training & advisory services.

- 🛡️ Real-time incident monitoring & safety intelligence
- 🔍 Advanced analytical safety reporting & risk assessment
- 🚨 Crisis management, emergency response & mapping
- 🎓 Training, certification & capacity-building programmes

A globally recognized institution driving innovation & excellence in railway safety.



OUR RECRUITMENT EXPERTISE

- ✓ Talent sourcing & screening
- ✓ Technical evaluation & competency assessment
- ✓ Safety-oriented candidate profiling
- ✓ Bulk recruitment for large-scale projects
- ✓ Executive search for leadership roles
- ✓ Contractual, permanent & project-based hiring



GROWING DEMAND

India's rail & metro sectors are expanding across 20+ cities & major national projects.

High demand for:

- Skilled engineers & technicians
- Project management professionals
- Safety & compliance experts
- Operations & maintenance personnel

Empowering local talent under the vision of Atmanirbhar Bharat.



EDUCATIONAL & TRAINING INTEGRATION



Advanced safety training, certification & skill development



University of Rail Safety Technology & Management (Upcoming)

Specialized academic & research programmes in railway systems

Creating industry-ready, safety-trained & future-oriented professionals.



WHY PARTNER WITH RSRB?

- ✓ Strategic partnership & dedicated account management
- ✓ Comprehensive recruitment solutions
- ✓ Quality-focused with safety & integrity at the core
- ✓ Customized strategies & timely delivery
- ✓ Efficient, transparent & reliable hiring outcomes



STRATEGIC SIGNIFICANCE

- 🌟 Strengthening the railway workforce ecosystem
- 🌟 Enhancing safety & operational performance
- 🌟 Supporting large-scale infrastructure development
- 🌟 Bridging education, training & employment

RSRB - Your Partner in Building a Safer, Smarter & More Resilient Railway Future

Delivering qualified, reliable & safety-trained professionals for a stronger tomorrow.



www.railsafetyrecruitmentboard.com



भारतीय रेल
INDIAN RAILWAYS

प्रधानमंत्री
भारतीय जन औषधि केंद्र
PMBJK00456

PRIME MINISTER JANAUSHADHI KENDRA

QUALITY MEDICINES, AFFORDABLE PRICES

A step towards a Healthy India

“Affordable medicines
for every citizen,
for a healthier India.

– Narendra Modi
Prime Minister of India

WHAT IS PRIME MINISTER JANAUSHADHI KENDRA?



Pradhan Mantri Bhartiya Janaushadhi Pariyojana (PMBJP) is a Government of India initiative launched in 2008 with the vision to make quality generic medicines available at affordable prices to all.

KEY BENEFITS



UP TO 50% – 90% CHEAPER

Medicines available at much lower prices compared to branded medicines.



ASSURED QUALITY

All medicines are WHO-GMP certified and meet highest quality standards.



WIDE RANGE OF MEDICINES

Available for various health conditions including chronic diseases like diabetes, BP, heart disease, asthma, pain, fever, antibiotics, and more.



EASY ACCESS FOR ALL

Available at railway stations, hospitals, marketplaces and across the country.

WHY IT IS IMPORTANT?



Healthcare is a basic need for every citizen. Affordable medicines ensure that no one has to compromise on their treatment.



Janaushadhi Kendras provide the same quality medicines as branded medicines but at much lower prices.



Especially useful for daily wage earners, senior citizens, students and families with regular medication needs.



AVAILABLE AT

Janaushadhi Kendras are located at Railway Stations, Government Hospitals, District Hospitals, Markets and across India.

HOW TO IDENTIFY?



Look for the board "PRIME MINISTER JANAUSHADHI KENDRA" at the store.

WHY CHOOSE JANAUSHADHI?

FEATURES	BRANDED MEDICINES	JANAUSHADHI MEDICINES
Quality	High cost	Same high quality
Price	Very Expensive	Up to 50% – 90% Cheaper
Effectiveness	Same	Same
Availability	Varies	Widely Available at Kendras
Manufacturer	Different Companies	WHO-GMP Certified Units

OUR MESSAGE TO YOU



Your Health,
Our Priority.
Your Savings,
Our Responsibility.

Choose Janaushadhi.
Choose Affordability.
Choose a Healthy India.



GOOD HEALTH IS A RIGHT, NOT A PRIVILEGE.
VISIT YOUR NEAREST JANAUSHADHI KENDRA TODAY!



For more information
and locations:
janaushadhi.gov.in



Toll Free Helpline
1800 180 8080

Follow Us:



PRIME MINISTER JANAUSHADHI KENDRA

QUALITY MEDICINES, AFFORDABLE PRICES

A step towards a Healthy India

WHAT IS PRIME MINISTER JANAUSHADHI KENDRA?



Pradhan Mantri Bhartiya Janaushadhi Pariyojana (PMBJP) is a Government of India initiative launched in 2008 with the vision to make quality generic medicines available at affordable prices to all.

KEY BENEFITS



UP TO 50% – 90% CHEAPER

Medicines available at much lower prices compared to branded medicines.



ASSURED QUALITY

All medicines are WHO-GMP certified and meet highest quality standards.



WIDE RANGE OF MEDICINES

Available for various health conditions including chronic diseases like diabetes, BP, heart disease, asthma, pain, fever, antibiotics, and more.



EASY ACCESS FOR ALL

Available at railway stations, hospitals, marketplaces and across the country.

WHY IT IS IMPORTANT?



Healthcare is a basic need for every citizen. Affordable medicines ensure that no one has to compromise on their treatment.



Janaushadhi Kendras provide the same quality medicines as branded medicines but at much lower prices.



Especially useful for daily wage earners, senior citizens, students and families with regular medication needs.



AVAILABLE AT

Janaushadhi Kendras are located at Railway Stations, Government Hospitals, District Hospitals, Markets and across India.

HOW TO IDENTIFY?



Look for the board "PRIME MINISTER JANAUSHADHI KENDRA" at the store.

WHY CHOOSE JANAUSHADHI?

FEATURES	BRANDED MEDICINES	JANAUSHADHI MEDICINES
 Quality	High cost	Same high quality
 Price	Very Expensive	Up to 50% – 90% Cheaper
 Effectiveness	Same	Same
 Availability	Varies	Widely Available at Kendras
 Manufacturer	Different Companies	WHO-GMP Certified Units

OUR MESSAGE TO YOU



Your Health,
Our Priority.
Your Savings,
Our Responsibility.

Choose Janaushadhi.
Choose Affordability.
Choose a Healthy India.



GOOD HEALTH IS A RIGHT, NOT A PRIVILEGE.
VISIT YOUR NEAREST JANAUSHADHI KENDRA TODAY!



For more information
and locations:
janaushadhi.gov.in



Toll Free Helpline
1800 180 8080

Follow Us:





ALL INDIA RAIL SAFETY COUNCIL (AIRSC)

Committed to Safer Railways, Stronger Nation



RAIL SAFETY RESEARCH & DEVELOPMENT FORUM (RSRDF)

RESEARCH INNOVATION EXCELLENCE

Building Future-Ready Rail Safety Systems
for an Atmanirbhar Bharat and Viksit Bharat 2047



Dr. R. Padmanabhan
Chairman

All India Rail Safety Council (AIRSC)



SAFETY
Our Core
Commitment



INNOVATION
Driving
Future Solutions



RESEARCH
Advancing
Knowledge



COLLABORATION
Strengthening
Partnerships



SUSTAINABILITY
Building a
Resilient Future

NATIONAL VISION ALIGNMENT

Viksit Bharat Railways 2047 –
A Developed India Vision



AIRSC aligns its long-term strategy with the national mission of Viksit Bharat 2047, supporting the transformation of Indian Railways into a world-class, safe, smart, and resilient transportation system.

Key Focus Areas

- Zero-Accident Railway Vision for a safer India
- World-class safety standards and global best practices
- Advanced digital, intelligent & predictive safety systems
- Disaster resilience and emergency preparedness
- Enhanced passenger safety and public confidence
- Skilled & future-ready railway safety workforce
- Smart, data-driven & technology-enabled ecosystem

MAKE IN INDIA – SELF-RELIANT RAILWAY SAFETY SYSTEMS



AIRSC supports the Make in India initiative by encouraging indigenous development and deployment of railway safety technologies.

Key Focus Areas

- Promotion of indigenous railway safety technologies
- Support for domestic manufacturing of safety systems
- Encouragement to Indian research, startups & innovators
- Localization of modern safety tools & diagnostics
- Capacity building for Indian safety professionals
- Strengthening India's global leadership in railway safety

NET ZERO 2070 – SUSTAINABLE & GREEN RAILWAY SAFETY



AIRSC integrates environmental sustainability into its safety framework, aligning with India's Net Zero Carbon Emission 2070 commitment.

Key Focus Areas

- Environmentally responsible railway safety practices
- Energy-efficient & sustainable safety infrastructure
- Climate-resilient safety & disaster management
- Reduction of environmental & operational risks
- Eco-friendly materials & green safety technologies
- Integration of safety, sustainability & resilience

MAJOR AIRSC PROJECTS & INITIATIVES

1 NATIONAL RAIL SAFETY RESEARCH & DEVELOPMENT PROGRAMME



- Accident analysis & risk mapping
- Track, signaling & rolling stock safety
- Human factors & safety behaviour
- Safety performance benchmarking
- Data-driven prevention models

2 RAILWAY DISASTER MANAGEMENT & EMERGENCY PREPAREDNESS PROGRAMME



- Disaster response planning
- Simulation & ICS training
- Multi-agency coordination
- Emergency response strategies
- Evacuation & rescue procedures

3 NATIONAL RAILWAY SAFETY TRAINING & CAPACITY BUILDING MISSION



- Safety management systems (SMS)
- Workplace & hazard safety
- Electrical, mechanical & track safety
- Safety leadership & culture
- Health, well-being & competency

4 RAIL SAFETY AWARENESS & PUBLIC SAFETY CAMPAIGNS



- Level crossing safety
- Anti-trespassing awareness
- Passenger safety & preparedness
- Fire safety & onboard safety
- Safety behaviour & responsibility

5 TECHNOLOGY PROMOTION & SAFETY INNOVATION INITIATIVE



- Automatic Train Protection (ATP)
- Signaling & collision prevention
- Safety monitoring & analytics
- AI-based surveillance systems
- Smart inspection & diagnostics

6 RAIL SAFETY AUDIT, RISK ASSESSMENT & CONSULTANCY SERVICES



- Comprehensive safety audits
- Risk identification & mitigation
- Safety compliance evaluation
- Accident investigation & RCA
- Safety improvement roadmaps

7 NATIONAL RAIL SAFETY CONFERENCE & KNOWLEDGE FORUM



- Best practices & innovations
- Research & safety case studies
- Policy dialogue & discussions
- Networking among professionals
- Knowledge sharing platforms

8 SAFETY STANDARDS, POLICY ADVOCACY & STRATEGIC ADVISORY



- Safety standards & guidelines
- Safety culture & leadership
- Strategic safety planning
- Advisory to institutions & bodies
- Alignment with global best practices

9 OCCUPATIONAL SAFETY, HEALTH & INDUSTRIAL RISK REDUCTION PROGRAMME



- Workplace hazard management
- Industrial accident prevention
- PPE & safe work procedures
- Health, fatigue & performance
- Safety behaviour & leadership

10 VISION ZERO – NATIONAL RAILWAY ACCIDENT PREVENTION MISSION



- Prevention through technology
- Competency through training
- Awareness through education
- Resilience through preparedness
- Leadership through safety culture

FUTURE STRATEGIC DIRECTIONS



Smart & Digital
Railway Safety
Systems



AI-Based
Predictive Risk
Management



Advanced Disaster
Simulation & Response
Systems



National Safety
Competency
Certification



International
Collaboration &
Knowledge Exchange



Sustainable &
Climate-Resilient
Railway Safety



OUR MISSION

To create a world-class platform for research, innovation, education, collaboration, and policy leadership to build a safer, smarter, more sustainable and future-ready railway ecosystem.

OUR COMMITMENT

The All India Rail Safety Council remains committed to building a Safer, Smarter, and More Resilient Railway System for India.



SAFETY FIRST
Every Life Matters



INTEGRITY
We Do What's Right



EXCELLENCE
We Strive for the Best



COLLABORATION
We Achieve Together



INNOVATION
We Create the Future

**"Vision Zero – Towards
Accident-Free Railways"**

Aligned with Viksit Bharat 2047,
Make in India & Net Zero 2070



ALL INDIA RAIL SAFETY COUNCIL (AIRSC)

SAFE RAILWAYS • STRONG NATION • SECURE FUTURE

OUR VISION: ZERO ACCIDENTS – SAFER INDIA

NATIONAL VISION ALIGNMENT VIKSIT BHARAT RAILWAYS 2047 – A DEVELOPED INDIA VISION

The All India Rail Safety Council aligns its long-term strategy with the national mission of Viksit Bharat 2047, supporting the transformation of Indian Railways into a world-class, safe, smart, and resilient transportation system.

KEY FOCUS AREAS

-  Advancing the Zero-Accident Railway Vision for a safer India
-  Adoption of world-class railway safety standards and global best practices
-  Integration of advanced digital, intelligent, and predictive safety systems
-  Strengthening disaster resilience and emergency preparedness across the network
-  Enhancing passenger safety, reliability, and public confidence
-  Building a future-ready, highly skilled railway safety workforce
-  Developing a smart, data-driven, and technology-enabled railway safety ecosystem



MAKE IN INDIA – SELF-RELIANT RAILWAY SAFETY SYSTEMS

AIRSC actively supports the national Make in India initiative by encouraging indigenous development, innovation, and deployment of railway safety technologies.

KEY FOCUS AREAS

-  Promotion of indigenous railway safety technologies and innovation
-  Support for domestic manufacturing of safety equipment and protection systems
-  Encouragement to Indian research institutions, startups, and safety innovators
-  Localization of modern safety tools, monitoring systems, and diagnostics
-  Capacity building and skill development for Indian safety professionals and engineers
-  Strengthening India's global leadership in railway safety and safety engineering

NET ZERO 2070 – SUSTAINABLE & GREEN RAILWAY SAFETY

AIRSC integrates environmental sustainability into its safety framework, aligning with India's Net Zero Carbon Emission 2070 commitment. The Council promotes safe, sustainable, and climate-resilient railway operations to protect both people and the environment.

-  Promotion of environmentally responsible railway safety practices
-  Energy-efficient and sustainable safety infrastructure development
-  Climate-resilient railway safety and disaster management systems
-  Reduction of environmental and operational risks
-  Adoption of eco-friendly materials and green safety technologies
-  Integration of safety, sustainability, and long-term resilience planning



INTRODUCTION



The All India Rail Safety Council (AIRSC) is a premier national forum dedicated to strengthening railway safety, risk reduction, accident prevention, and disaster resilience across the Indian railway ecosystem.

Through research, training, technology promotion, and stakeholder collaboration, AIRSC plays a pivotal role in advancing a Zero-Accident Vision for India's rail transport system.

AIRSC works closely with railway professionals, safety regulators, academic institutions, industry experts, and disaster management authorities to develop practical, technology-driven, and human-centric safety solutions.

-  **RESEARCH & INNOVATION**
Evidence-based solutions for safer railways
-  **TRAINING & CAPACITY BUILDING**
Empowering professionals for a safety-first culture
-  **TECHNOLOGY & DIGITALIZATION**
Smart systems for real-time monitoring and prediction
-  **COLLABORATION & STAKEHOLDERS**
Uniting experts for a safer and resilient railway network



ALL INDIA RAIL SAFETY COUNCIL (AIRSC)

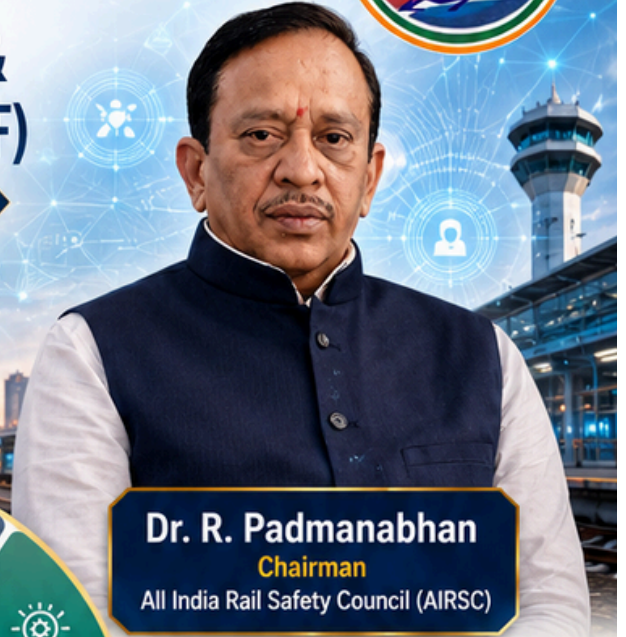
“Committed to Safer Railways, Stronger Nation”



RAIL SAFETY RESEARCH & DEVELOPMENT FORUM (RSRDF)

RESEARCH | INNOVATION | EXCELLENCE

Building Future-Ready Rail Safety Systems
for an Atmanirbhar Bharat and Viksit Bharat 2047



Dr. R. Padmanabhan
Chairman
All India Rail Safety Council (AIRSC)

- Evidence-Based Policy Support and Advisory
- Advanced Research and Technology Development
- Accident Investigation and Safety Analytics
- Risk Assessment and Safety Assurance
- International Collaboration and Knowledge Exchange



- Capacity Building and Professional Development
- Technical Publications and Knowledge Resources
- Safety Audits and Compliance Support
- Disaster Preparedness and Operational Resilience
- Sustainable and Climate Resilient Rail Systems

FOCUS AREAS

- Predictive Safety Analytics
- Artificial Intelligence & Machine Learning
- Human Factors Engineering
- Cybersecurity for Rail Operations
- Smart Infrastructure & Digital Twin
- Climate Resilience & Sustainability
- Emergency Response & Disaster Management
- Business Continuity & Risk Governance
- Safety Management Systems & Culture

OUR COMMITMENT

- ✓ Protecting Lives, Ensuring Safety
- ✓ Promoting Innovation and Technology
- ✓ Strengthening Research and Capacity
- ✓ Building Global Partnerships
- ✓ Advancing Sustainable and Resilient Rail Systems



ALIGNING WITH NATIONAL PRIORITIES

- Atmanirbhar Bharat
- Viksit Bharat 2047
- Digital India Smart Railways
- Net Zero 2070
- UN - SDGs 3, 9, 11, 17

OUR PARTNERS IN PROGRESS

- Railway Administrations
- Metro Rail Organizations
- Regulators & Policy Makers
- Research & Academic Institutions
- Industry & Technology Leaders
- Safety Professionals & Experts
- Workforce & Unions
- Students & Young Innovators
- Civil Society & Communities

OUR MISSION

To create a world-class platform for research, innovation, education, collaboration, and policy leadership to build a safer, smarter, more sustainable and future-ready railway ecosystem.



OUR PLEDGE

- Every Research for a Safer Tomorrow
- Every Innovation for National Progress
- Every Collaboration for Greater Impact
- Every Effort for a Stronger, Safer India

JOIN US IN OUR MISSION

Together, let us build a rail network that is safe, smart, resilient, inclusive, and globally respected – powering the journey towards a stronger and developed India.



SAFE TRACKS • STRONG NATION • UNITED INDIA



RAIL SAFETY RESEARCH AND DEVELOPMENT FORUM

Advancing Rail Safety Excellence for an Atmanirbhar Bharat and a Viksit Bharat 2047

The Rail Safety Research and Development Forum (RSRDF) is a premier, knowledge-driven platform dedicated to advancing excellence in rail safety through eng-h-aiholicy engagement, whuih ng pioxit-maker, innovation and at BaringtheraleFurbtarian. Conceived as a strategic initiative, the Forum plays a critical role in strengthening Safety ecosystem of railway systems by integrating evidence-based insights with practical implementation frameworks.



As no cine the Forum bringt boeffer a distinguished network of stakeholders. including senior leadership from Indian.Railways, safety regulators, accident investigation authorities, industry leaders, technology providers, academic institutions, workforce representatives, and community stakeholders in the workpr representalizetare athorithat depfehadeh.



"Advancing Rail Safety Excellence for an Atmanirbhar Bharat and a Viksit Bharat 2047"

- Strengthening Rail Safety through Self-Reliance, BfMantre, and National Vision

- The missaging atholinescd Sney tech all Indian Rias trins, here wher aggrilping. These aximendratony..



UNIVERSITY OF RAIL TECHNOLOGY AND MANAGEMENT

Shaping the Future
of Rail, Infrastructure
and Mobility

Knowledge • Innovation • Safety • Sustainability

— A Visionary Foundation —



Visionary Foundation

The University of Rail Technology and Management is a landmark initiative envisioned by Dr. R. Padmanabhan, Chairman of the All India Rail Safety Council, in strategic collaboration with Dr. Rahul Misra, Vice Chairman and an internationally experienced management expert.

This University represents a bold and futuristic step toward redefining sector-driven education, aimed at creating a highly skilled, adaptive, and globally competitive workforce for the rail, infrastructure, logistics and mobility sectors.

Context & Global Relevance

Aligned with National Education Policy 2020, the University bridges the gap between academic knowledge and industry expectations in railways, transport and disaster resilience. It creates a future-ready learning ecosystem for the 21st century.

- In today's 24/7 global economy, professionals must be:

- ✓ Technologically proficient
- ✓ Safety-conscious
- ✓ Operationally agile
- ✓ Globally aware

Our Mission

To transform professional education into an employability-driven ecosystem and produce **job creators, innovators and safety leaders**, not merely degree holders.



Core Academic Domains & Schools of Excellence

1 School of Rail Engineering & Infrastructure

- ✓ Railway track engineering & high-speed rail systems
- ✓ Signalling, telecom & train control systems
- ✓ Rolling stock design & modernization
- ✓ Smart rail & metro rail systems



2 School of Rail Safety & Disaster Management

- ✓ Rail safety engineering & risk assessment
- ✓ Accident investigation & forensic analysis
- ✓ Disaster preparedness & resilience
- ✓ Fire safety & crisis leadership



3 School of Transport & Logistics Management

- ✓ Multimodal logistics & supply chain
- ✓ Freight corridors & port connectivity
- ✓ Urban mobility & smart transport systems
- ✓ Aviation, maritime & integrated transport



4 School of Technology, AI & Digital Rail Systems

- ✓ AI in rail operations
- ✓ IoT & predictive maintenance
- ✓ Data analytics, cybersecurity & digital twins
- ✓ Automation, robotics & smart control systems



5 School of Business, Leadership & Policy

- ✓ Infrastructure finance & project management
- ✓ Public policy & regulatory frameworks
- ✓ Strategic management for transport sectors
- ✓ Leadership development & global strategy



6 School of Sustainability & Environmental Studies

- ✓ Green rail technologies & energy efficiency
- ✓ Climate resilience in transport
- ✓ Environmental impact assessment
- ✓ Sustainable urban mobility



7 School of Skill Development & Vocational Training

- ✓ Technician and operator skill certification
- ✓ Field-based & simulation training
- ✓ Industry apprenticeship programs
- ✓ Employability enhancement modules



Triangular Learning Framework

- Online Learning**
Global classrooms, AI-enabled platforms
- Blended Learning**
Classroom + simulations + case studies
- Manual / Experiential Learning**
Hands-on training, live projects and industry immersion



Industry Integration & Custom Programs

- ✓ Tailor-made programs endorsed by industry partners
- ✓ Customized executive education & leadership programs
- ✓ Real-time curriculum updates
- ✓ Digital portal for flexible, modular & lifelong learning

Autonomous | Skill-oriented | Globally benchmarked



Research, Innovation & Knowledge Platform

- ✓ Rail safety innovation & accident prevention
- ✓ Smart mobility & intelligent transport systems
- ✓ Disaster risk reduction & resilience engineering
- ✓ Emerging technologies in infrastructure & logistics

Built on Three Pillars

Creativity | Competence | Challenge



Institutional Vision

- ✓ Redefine professional education in rail & transport
- ✓ Contribute to nation-building and infrastructure growth
- ✓ Support Make in India & Atmanirbhar Bharat
- ✓ Position India as a global leader in rail safety, technology and management education

Building Skills • Creating Opportunities • Ensuring Safety • Driving Sustainable Mobility



World-Class Education



Research & Innovation



Industry Partnerships



Global Opportunities



Safe Tracks
Strong Nation

UNIVERSITY OF RAIL TECHNOLOGY AND MANAGEMENT
A Transformational Initiative for a Safer, Smarter and Greener Tomorrow

www.railsafety.co.in



AIRSC SECURITY SERVICE BUREAU (ASSB)

A Unit of the All India Rail Safety Council (AIRSC)



INTEGRATED SECURITY



RAILWAY PROTECTION



SAFETY EXCELLENCE



FACILITY MANAGEMENT



OUR CORE SECURITY SERVICES



Integrated Security Services



Railway Safety Support Services



Industrial Safety Management



Facility Management Solutions



Risk Assessment & Security Audits



Emergency Response & Crisis Management



Disaster Preparedness Services



Technology-Based Security Solutions



Smart Surveillance & Command Centre Support



Professional Security Training & Capacity Building

OUR VISION

To become India's most trusted integrated security, railway safety, and facility management organization by delivering innovative, technology-enabled, and professionally managed solutions that contribute towards a safer, smarter, resilient, and future-ready nation.

ASSB aspires to support the national vision of *Viksit Bharat 2047*, *Atmanirbhar Bharat*, *Digital India*, and *Net Zero 2070* by promoting world-class security standards, operational excellence, workforce professionalism, and sustainable safety practices.

OUR MISSION

Our mission is to empower organizations by providing a single integrated platform offering comprehensive:

- ✓ Integrated Security Services
- ✓ Railway Safety Support Services
- ✓ Industrial Safety Management
- ✓ Facility Management Solutions
- ✓ Risk Assessment & Security Audits
- ✓ Emergency Response & Crisis Management
- ✓ Disaster Preparedness Services
- ✓ Technology-Based Security Solutions
- ✓ Smart Surveillance & Command Centre Support
- ✓ Professional Security Training & Capacity Building

We are committed to protecting people, property, operations, information, infrastructure, and business continuity through innovative technologies, highly trained professionals, and internationally accepted best practices.

OUR PHILOSOPHY

"Security is not merely guarding an asset—it is protecting confidence, continuity, and the future."

At ASSB, we believe that true security combines:

- ✓ Professional manpower
- ✓ Intelligent technology
- ✓ Ethical leadership
- ✓ Continuous monitoring
- ✓ Preventive risk management
- ✓ Rapid emergency response
- ✓ Customer-focused service delivery

Our integrated approach creates safer workplaces while enabling organizations to focus on their core business with complete confidence.

WE SERVE ACROSS MULTIPLE SECTORS



RAILWAYS & METRO RAIL



TRANSPORT & INFRASTRUCTURE



INDUSTRIES & FACTORIES



GOVERNMENT & PUBLIC SECTOR



COMMERCIAL & BUSINESS



HEALTHCARE & HOSPITALS



EDUCATIONAL INSTITUTIONS



AIRPORTS & PORTS



LOGISTICS & WAREHOUSES



RESIDENTIAL COMMUNITIES

OUR COMMITMENT



PROTECTING PEOPLE



SECURING INFRASTRUCTURE



ENSURING OPERATIONAL EXCELLENCE



BUILDING A SAFER INDIA

24/7

24/7 MONITORING & RESPONSE



HIGHLY TRAINED PROFESSIONALS



ADVANCED TECHNOLOGY & INNOVATION



TRUSTED PARTNER IN SAFETY & SECURITY



www.railsafety.co.in

SAFE TRACKS • SECURE OPERATIONS • STRONG NATION
SAFETY TODAY FOR A BETTER TOMORROW



AIRSC SECURITY SERVICE BUREAU (ASSB)

A Unit of the All India Rail Safety Council (AIRSC)

RAILWAY SAFETY & SECURITY EXCELLENCE



RAILWAY SAFETY & SECURITY EXCELLENCE

Being a specialized unit of the All India Rail Safety Council, ASSB possesses unique expertise in railway and metro safety environments.

Our railway-focused services include:

- Railway Station Security Management
- Passenger Safety Support
- Platform Safety Monitoring
- Crowd Management
- Railway Infrastructure Protection
- Depot & Workshop Security
- Railway Construction Project Security
- Trackside Security Support
- Railway Asset Protection
- Level Crossing Safety Support
- Railway Emergency Response Coordination
- Disaster Preparedness Assistance
- Railway Event Security
- Railway Safety Awareness Programmes
- Safety Compliance Support
- Security Risk Assessment
- Railway Facility Management
- Smart Railway Surveillance Systems
- Access Control & Visitor Management
- Integrated Railway Security Operations

ASSB works towards strengthening railway safety through a combination of operational excellence, trained manpower, technology integration, and safety awareness.

TECHNOLOGY-DRIVEN SECURITY SOLUTIONS

ASSB leverages advanced technologies to deliver proactive and intelligent security management solutions, including:

- AI-Based Video Analytics
- Intelligent CCTV Monitoring
- Centralized Security Operations Centre (SOC)
- Command & Control Centre Integration
- GPS Fleet Monitoring
- Access Control Systems
- Biometric Attendance Systems
- Visitor Management Solutions
- Incident Management Platforms
- Mobile Patrol Monitoring
- IoT-Based Security Devices
- Digital Reporting Systems
- Emergency Alert Systems
- Cloud-Based Security Management
- Cyber-Physical Security Coordination
- Smart Perimeter Protection
- Electronic Surveillance Solutions

Our technology-enabled services improve situational awareness, accelerate response times, and enhance operational efficiency.

INTEGRATED FACILITY MANAGEMENT SERVICES

ASSB offers comprehensive facility management services designed to support efficient and secure business operations, including:

- Housekeeping Services
- Technical Facility Maintenance
- Electrical & Mechanical Support
- Fire Safety Management
- Reception & Front Office Services
- Horticulture & Landscaping
- Pest Management
- Waste Management
- Utility Management
- Building Maintenance
- Workforce Support Services
- Office Administration Support
- Industrial Facility Services
- Institutional Facility Management

SECURITY OPERATIONS CENTRE (SOC)

ASSB operates a professionally managed Security Operations Centre capable of providing:

- 24x7 Continuous Monitoring
- Threat Detection
- Incident Analysis
- Security Intelligence
- Vulnerability Assessment
- Emergency Response Coordination
- Alarm Monitoring
- CCTV Monitoring
- Risk Escalation Management
- Security Reporting
- Compliance Monitoring

Our experienced professionals continuously monitor client environments to identify, assess, and respond to potential security threats before they impact operations.

PROFESSIONAL WORKFORCE

ASSB employs highly trained professionals including:

- Security Officers
- Railway Safety Professionals
- Industrial Safety Experts
- Fire & Emergency Personnel
- Surveillance Operators
- Facility Management Specialists
- Risk Assessment Consultants
- Security Supervisors
- Technical Support Engineers
- Operations Managers
- Customer Service Professionals

Every member of our workforce undergoes structured training, continuous skill development, and professional evaluation to ensure service excellence.

OUR CORE VALUES

- ✓ Integrity
- ✓ Professionalism
- ✓ Accountability
- ✓ Reliability
- ✓ Innovation
- ✓ Customer Commitment
- ✓ Excellence
- ✓ Safety First
- ✓ Continuous Improvement
- ✓ Ethical Business Practices

WHY CHOOSE ASSB?

- ✓ Specialized Railway & Metro Safety Expertise
- ✓ Unit of the All India Rail Safety Council
- ✓ Integrated Security & Facility Management Solutions
- ✓ Highly Skilled Security Professionals
- ✓ Technology-Driven Operations
- ✓ 24x7 Security Monitoring
- ✓ Customized Client Solutions
- ✓ Affordable and Scalable Services
- ✓ Strong Compliance & Risk Management Framework
- ✓ Rapid Emergency Response Capability
- ✓ Customer-Centric Service Delivery
- ✓ Commitment to Quality, Safety, and Excellence

WE SERVE ACROSS MULTIPLE SECTORS



AIRSC Security Service Bureau (ASSB), we recognize that modern organizations require more than traditional security services—they require intelligent, integrated, technology-enabled solutions that proactively manage risk while ensuring uninterrupted operations. Our commitment extends beyond protecting physical assets. We strive to build resilient organizations by safeguarding people, strengthening operational continuity, enhancing public confidence, and supporting national infrastructure security. As India advances towards becoming a global economic and technological leader, ASSB remains dedicated to contributing to a safe, secure, smart, and sustainable future through professional excellence, innovation, and unwavering commitment to railway safety and integrated security management.

AIRSC SECURITY SERVICE BUREAU (ASSB)

A Unit of the All India Rail Safety Council (AIRSC)



www.railsafety.co.in

SAFE TRACKS • SECURE OPERATIONS • STRONG NATION
SAFETY TODAY FOR A BETTER TOMORROW



AIRSC SAFETY AUDIT SERVICE



A Unit of the All India Rail Safety Council (AIRSC)

Professional Safety • Security • Compliance • Risk Excellence

ABOUT AIRSC SAFETY AUDIT SERVICE

AIRSC Safety Audit Service (ASAS), a specialized unit of the All India Rail Safety Council (AIRSC), is a premier professional organization dedicated to delivering comprehensive Safety, Security, Risk Assessment, Compliance, and Operational Audit Services across the railway, metro rail, transportation, industrial, infrastructure, energy, manufacturing, healthcare, logistics, commercial, and public sectors.

We help organizations identify hazards, mitigate risks, ensure regulatory compliance, strengthen security systems, and build a proactive safety culture for operational excellence and sustainable growth.

SAFETY ASSURANCE

OUR CORE SERVICES

- ✓ Railway Safety Audits
- ✓ Metro Rail Safety & Security Audits
- ✓ Industrial Safety Audits
- ✓ Facility Safety & Security Assessments
- ✓ Fire & Life Safety Audits
- ✓ Operational Risk Assessments
- ✓ Disaster Preparedness & Emergency Response Audits
- ✓ Security Vulnerability Assessments
- ✓ Occupational Health & Safety Audits
- ✓ Infrastructure & Critical Asset Protection Reviews
- ✓ Safety Management System (SMS) Evaluation
- ✓ Regulatory Compliance & Governance Audits
- ✓ Business Continuity & Crisis Management Assessments
- ✓ Environmental, Health & Safety (EHS) Reviews
- ✓ Safety Training, Capacity Building & Technical Advisory Services

SAFETY ASSURANCE

RISK ASSESSMENT

SECURITY & PROTECTION

COMPLIANCE

OPERATIONAL EXCELLENCE

CONTINUOUS IMPROVEMENT

RAILWAY & TRANSPORTATION EXCELLENCE



We specialize in strengthening the safety ecosystem of Indian Railways, Metro Rail Systems, High-Speed Rail Corridors, Dedicated Freight Corridors, Railway Stations, Workshops, Depots, Rolling Stock Maintenance Facilities, Railway Construction Projects, Logistics Parks, Freight Terminals, and Rail Infrastructure Assets.

SAFETY INSPECTIONS & AUDITS

RISK ANALYSIS & CONTROL

PASSENGER SAFETY & PROTECTION

SECURITY & SURVEILLANCE ASSESSMENTS

EMERGENCY PREPAREDNESS & RESPONSE

OUR COMMITMENT

We are committed to helping organizations build a culture where Safety, Security, Quality, Compliance, and Risk Management become integral components of sustainable growth.



INDEPENDENT & IMPARTIAL AUDITS



EXPERT & EXPERIENCED PROFESSIONALS



INTERNATIONAL STANDARDS & BEST PRACTICES



PRACTICAL RECOMMENDATIONS



TRUSTED PARTNER IN SAFETY EXCELLENCE



PROTECTING PEOPLE
INFRASTRUCTURE
ASSETS & OPERATIONS



ENHANCING OPERATIONAL
RESILIENCE & BUSINESS
CONTINUITY



SUPPORTING VIKSIT BHARAT 2047
ATMANIRBHAR BHARAT
DIGITAL INDIA



SAFE, SMART & SUSTAINABLE
TRANSPORTATION SYSTEMS
FOR A SECURE FUTURE

SAFETY TODAY • RESILIENCE TOMORROW • EXCELLENCE ALWAYS

BUILDING SAFER RAILWAYS • SECURE INDIA • STRONGER FUTURE

www.railsafety.co.in

Follow us:



ALL INDIA RAIL SAFETY COUNCIL (AIRSC)

Committed to Safer Railways, Stronger Nation



RAIL SAFETY RESEARCH & DEVELOPMENT FORUM (RSRDF)

RESEARCH | INNOVATION | EXCELLENCE

Building Future-Ready Rail Safety Systems
for an Atmanirbhar Bharat and Viksit Bharat 2047



Dr. R. Padmanabhan
Chairman
All India Rail Safety Council (AIRSC)

- Evidence-Based Policy Support and Advisory
- Advanced Research and Technology Development
- Accident Investigation and Safety Analytics
- Risk Assessment and Safety Assurance
- International Collaboration and Knowledge Exchange

SAFETY CULTURE
Promoting Responsible Behaviour and Safety First Mindset

RESEARCH
Advancing Knowledge Through Scientific Excellence

INNOVATION
Driving Future-Ready Safety Solutions

EDUCATION
Building Competence Through Learning and Training

VISION
To be a Global Leader in Rail Safety Research, Innovation and Excellence

COLLABORATION
Strengthening Partnerships for Greater Impact

- Capacity Building and Professional Development
- Technical Publications and Knowledge Resources
- Safety Audits and Compliance Support
- Disaster Preparedness and Operational Resilience
- Sustainable and Climate Resilient Rail Systems

OUR FOCUS AREAS

Predictive Safety Analytics

Artificial Intelligence & Machine Learning

Human Factors Engineering

Cybersecurity for Rail Operations

Smart Infrastructure & Digital Twin

Climate Resilience & Sustainability

Emergency Response & Disaster Management

Business Continuity & Risk Governance

Safety Management Systems & Culture

OUR COMMITMENT

- ✓ Protecting Lives, Ensuring Safety
- ✓ Promoting Innovation and Technology
- ✓ Strengthening Research and Capacity
- ✓ Building Global Partnerships
- ✓ Advancing Sustainable and Resilient Rail Systems



ALIGNING WITH NATIONAL PRIORITIES

Atmanirbhar Bharat

Viksit Bharat 2047

Digital India Smart Railways

Net Zero 2070

UN - SDGs 3, 9, 11, 17

OUR PARTNERS IN PROGRESS

Railway Administrations

Metro Rail Organizations

Regulators & Policy Makers

Research & Academic Institutions

Industry & Technology Leaders

Safety Professionals & Experts

Workforce & Unions

Students & Young Innovators

Civil Society & Communities

OUR MISSION

To create a world-class platform for research, innovation, education, collaboration, and policy leadership to build a safer, smarter, more sustainable and future-ready railway ecosystem.

OUR PLEDGE

- Every Research for a Safer Tomorrow
- Every Innovation for National Progress
- Every Collaboration for Greater Impact
- Every Effort for a Stronger, Safer India

JOIN US IN OUR MISSION

Together, let us build a rail network that is safe, smart, resilient, inclusive, and globally respected – powering the journey towards a stronger and developed India.

SAFE TRACKS • STRONG NATION • UNITED INDIA



Advancing Rail Safety Excellence
for an

**Atmanirbhar Bharat &
Viksit Bharat 2047**

RESEARCH & DEVELOPMENT

ALL INDIA RAIL SAFETY COUNCIL

(A National Institution for Railway Safety & Public Welfare)

RAIL SAFETY RESEARCH AND DEVELOPMENT FORUM (RSRDF)

A UNIT OF ALL INDIA RAIL SAFETY COUNCIL

www.railsafety.co.in / www.railsafety.net.in

A Premier Knowledge-Driven Platform
for Research, Innovation, Policy & Collaboration
to Build a Safe, Resilient and Future-Ready
Railway System

Transforming
Research into
Safer Railways

The Rail Safety Research and Development Forum (RSRDF) is a premier, knowledge-driven platform dedicated exclusively to advancing excellence in rail safety through research, policy engagement, innovation, and multi-stakeholder collaboration. Conceived as a strategic initiative, the Forum plays a pivotal role in strengthening the safety ecosystem of railway systems by integrating evidence-based insights with practical implementation frameworks.

KEY FOCUS AREAS



SAFETY RESEARCH

Evidence-based studies and data-driven insights to prevent accidents and enhance safety.



INNOVATION & TECHNOLOGY

Development and adoption of advanced technologies for safe rail operations.



POLICY & STANDARDS

Supporting policy formulation, safety standards, and regulatory excellence.



CAPACITY BUILDING & KNOWLEDGE SHARING

Training, skill development, and dissemination of global best practices.



MULTI-STAKEHOLDER COLLABORATION

Bringing together Railways, regulators, industry, academia, and communities for holistic safety solutions.

STAKEHOLDERS



**INDIAN
RAILWAYS
LEADERSHIP**



**SAFETY
REGULATORS &
AUTHORITIES**



**ACCIDENT
INVESTIGATION
AGENCIES**



**INDUSTRY &
TECHNOLOGY
PROVIDERS**



**ACADEMIC &
RESEARCH
INSTITUTIONS**



**WORKFORCE
REPRESENTATIVES
& UNIONS**



**COMMUNITY &
PUBLIC
STAKEHOLDERS**

IMPACT HIGHLIGHTS



Strengthening Safety Ecosystem with Evidence and Innovation



Enabling Informed Decision-Making



Building a Culture of Safety Excellence



Supporting Modernization and Expansion of Railways



“

Advancing Rail Safety Excellence for an **Atmanirbhar Bharat** and a **Viksit Bharat 2047.**”

“Strengthening Rail Safety through Self-Reliance, Innovation and National Vision.

RESEARCH TODAY. SAFETY TOMORROW. STRONGER RAILWAYS FOREVER.

SAFE RAILWAYS. STRONG NATION.

ALL INDIA RAIL SAFETY COUNCIL – COMMITTED TO SAFETY, HEALTH & PUBLIC WELFARE



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



AIRSC SECURITY SERVICE BUREAU (ASSB)

A Unit of the All India Rail Safety Council (AIRSC)

RAILWAY SAFETY & SECURITY EXCELLENCE



ALL INDIA RAIL SAFETY COUNCIL (AIRSC)

★ Safety First • Safety Always ★

RAIL SAFETY • DISASTER MANAGEMENT • RESILIENCE

BUILDING A SAFER, MORE RESILIENT RAILWAY ECOSYSTEM

Through Knowledge, Preparedness and Professional Excellence

An Initiative of
All India Rail Safety Council (AIRSC)

Being a specialized unit of the All India Rail Safety Council, ASSB possesses unique expertise in railway and safety environments.

Our railway-focused services include:

- Railway Station Security Management
- Passenger Safety Support
- Platform Safety Monitoring
- Crowd Management
- Railway Infrastructure Protection
- Depot & Workshop Security
- Railway Construction Project Security
- Trackside Security Support
- Railway Asset Protection
- Level Crossing Safety Support
- Railway Emergency Response Coordination
- Disaster Preparedness Assistance
- Railway Event Security
- Railway Safety Awareness Program
- Safety Compliance Support
- Security Risk Assessment
- Railway Facility Management
- Smart Railway Surveillance System
- Access Control & Visitor Management
- Integrated Railway Security Operations

ASSB works towards strengthening safety through a combination of operational excellence, trained manpower, technology integration, and safety awareness.



PROFESSIONAL WORKFORCE

ASSB employs highly trained professionals including:

- Security Officers
- Railway Safety Professionals
- Industrial Safety Experts
- Fire & Emergency Personnel
- Surveillance Operators
- Facility Management Specialists
- Risk Assessment Consultants
- Security Supervisors
- Technical Support Engineers
- Operations Managers
- Customer Service Professionals

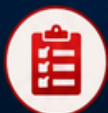
Every member of our workforce undergoes structured training, continuous skill development, and professional evaluation to ensure service excellence.

OUR CORE VALUES

- ✓ Integrity
- ✓ Professionalism
- ✓ Accountability
- ✓ Reliability
- ✓ Innovation



Education & Training



Risk Assessment & Planning



Capacity Building & Professional Excellence



Emergency Preparedness & Response



Collaboration & Community Awareness



Safety, Security & Resilience

AIRSC is committed to promoting a proactive safety culture and strengthening disaster preparedness across Railways, Metro, Industries and Communities.



www.railsafety.co.in



RAILWAYS & METRO RAIL



INDUSTRIES & FACTORIES



AIRPORTS & PORTS



GOVERNMENT & PUBLIC SECTOR



COMMERCIAL COMPLEXES



HEALTHCARE FACILITIES



EDUCATIONAL INSTITUTIONS



LOGISTICS HUBS



RESIDENTIAL COMMUNITIES



AIRSC Security Service Bureau (ASSB), we recognize that modern organizations require more than traditional security services—they require intelligent, integrated, technology-enabled solutions that proactively manage risk while ensuring uninterrupted operations.

Our commitment extends beyond protecting physical assets. We strive to build resilient organizations by safeguarding people, strengthening operational continuity, enhancing public confidence, and supporting national infrastructure security.

As India advances towards becoming a global economic and technological leader, ASSB remains dedicated to contributing to a safe, secure, smart, and sustainable future through professional excellence, innovation, and unwavering commitment to railway safety and integrated security management.

AIRSC SECURITY SERVICE BUREAU (ASSB)

A Unit of the All India Rail Safety Council (AIRSC)



PROTECTING PEOPLE



SECURING INFRASTRUCTURE



STRENGTHENING RAIL SAFETY



ENABLING A SAFER INDIA

www.railsafety.co.in

SAFE TRACKS • SECURE OPERATIONS • STRONG NATION
SAFETY TODAY FOR A BETTER TOMORROW



RAILVIDYA

CHILDREN'S SAFETY AWARENESS PROGRAMME

A UNIT OF THE ALL INDIA RAIL SAFETY COUNCIL (AIRSC)

Educate Today, Protect Tomorrow

RailVidya is a flagship social and educational initiative of AIRSC, dedicated to promoting safety awareness among children and young learners across India. Our mission is to instill life-saving knowledge, responsible behavior and safety consciousness at an early age—ensuring a safer tomorrow.



YOUR SAFETY YOUR FUTURE

- 👁 Stay Alert
- 🛡 Stay Safe
- ❤ Save Lives



**BE AWARE
BE SAFE
SAVE LIVES**

WHY CHILDREN'S RAILWAY SAFETY IS CRITICAL



PREVENT ACCIDENTS & SAVE LIVES

Many incidents occur due to unsafe behaviors like trespassing and negligence.



EARLY SAFETY EDUCATION

Creates lifelong responsible habits and risk-conscious behavior.



COMMUNITY IMPACT

Children become safety ambassadors and spread awareness in families and communities.



SUPPORTS NATIONAL SAFETY GOALS

Contributes to Vision Zero – Zero Fatalities and Major Accidents in railway systems.



BUILDS A SAFETY CULTURE

Encourages discipline, responsibility and respect for public infrastructure.

OUR OBJECTIVES

- ✓ Educate children on safe behavior in and around railway environments.
- ✓ Reduce incidents caused by unsafe practices such as trespassing and negligence.
- ✓ Promote awareness of railway signals, warnings and hazards.
- ✓ Build a safety-first mindset among young citizens.
- ✓ Support national efforts in creating a safe and responsible society.

KEY FOCUS AREAS

RAILWAY SAFETY AWARENESS



- Dangers of crossing railway tracks
- Use foot overbridges and designated crossings
- Awareness of moving trains and platform safety

LEVEL CROSSING SAFETY



- Understanding railway gates and warning signals
- Risks associated with unmanned crossings
- Safe practices for pedestrians and school children

STATION & PLATFORM SAFETY



- Safe boarding and deboarding practices
- Avoid overcrowding and unsafe movements
- Awareness of gaps between train and platform

BEHAVIOURAL SAFETY EDUCATION



- Discipline and patience in public spaces
- Respect for safety rules and infrastructure
- Avoid risky behaviors such as playing near tracks

EMERGENCY AWARENESS



- Basic understanding of emergency situations
- How to respond and seek help
- Awareness of railway helplines and safety personnel

OUR PROGRAMME DELIVERY APPROACH



School-based awareness sessions



Interactive workshops and safety demonstrations



Audio-visual presentations and animations



Safety campaigns and community outreach programmes



Distribution of educational materials and safety guides



Participation of railway professionals and safety experts

TARGET AUDIENCE



School students (Primary, Secondary, and Higher Secondary)



Children living near railway tracks and crossings



Educational institutions and community groups



Parents and teachers as key influencers

STRATEGIC IMPACT



Reduction in preventable railway accidents involving children



Improved public awareness and community safety culture



Strengthening of national railway safety initiatives



Long-term behavioral transformation in society

INTEGRATION WITH NATIONAL VISION



Vision Zero –
Eliminating fatalities and major accidents



Viksit Bharat 2047 –
Building a safe and developed nation



Sustainable Development Goals (SDGs) –
Promoting safe, inclusive communities



A MESSAGE TO CHILDREN

You are the future of our nation. Stay alert, stay safe and be a safety hero every day!



RAILVIDYA IS MORE THAN AN AWARENESS INITIATIVE—IT IS A NATIONAL MOVEMENT TOWARDS SAFEGUARDING THE FUTURE OF OUR CHILDREN.

Through education, engagement and empowerment, we aim to create a generation that values safety, respects infrastructure and contributes to a safer, smarter and more responsible India.



AIRSC
ALL INDIA RAIL SAFETY COUNCIL
Safety First, Safety Always

www.railsafety.co.in





ALL INDIA RAIL SAFETY COUNCIL (AIRSC)

A National Body for Rail & Metro Safety, Security,
Research and Capacity Development

75
Azadi Ka
Amrit Mahotsav



Rail E-Security & Safety

Vision • Strategy • Research • National Commitment

*Building a Secure, Safe & Future-Ready
Railway Ecosystem for India*



The All India Rail Safety Council (AIRSC) is a premier body committed to strengthening safety standards, technological resilience and operational excellence across India's railway ecosystem. In the era of digital transformation, the Council plays a vital role in integrating cybersecurity, safety engineering and innovation-driven research to safeguard railway infrastructure and passengers.



SAFETY FIRST
People • Assets • Operations



TECHNOLOGY LED
AI • IoT • Analytics • Automation



COLLABORATION
Industry • Institutions • Government



SUSTAINABILITY
Net Zero • Green Rail • Resilience



By **ALL INDIA RAIL SAFETY COUNCIL (AIRSC)**

"Safe Railways • Secure Networks • Smart Future"

www.railsafety.co.in





RAIL SAFETY RECRUITMENT BOARD (RSRB)

**SAFE TRACKS
STRONG NATION
UNITED INDIA**

A Unit of:

ALL INDIA RAIL SAFETY COUNCIL

www.railsafetyrecruitmentboard.com

The Rail Safety Recruitment Board (RSRB) is a premier recruitment and workforce development platform dedicated to building a skilled, safety-oriented and future-ready workforce for India's rail and metro sectors.

**We connect talent.
We power progress.
We ensure safety.**



END-TO-END RECRUITMENT SOLUTIONS

Comprehensive hiring services tailored to your needs.



SKILLED & VERIFIED TALENT POOL

Access to a large pool of pre-screened, qualified and verified candidates.



SAFETY-FOCUSED WORKFORCE DEVELOPMENT

Promoting a culture of safety, competence and continuous learning.



SUPPORTING RAIL & METRO INFRASTRUCTURE PROJECTS

Supplying the right talent for large-scale rail and metro projects.



SERVING INDIAN & INTERNATIONAL CLIENTS

Global recruitment solutions with a local commitment.

Our Commitment >>



**SAFETY
FIRST**



QUALITY



INTEGRITY



INNOVATION



EXCELLENCE

BUILDING HUMAN CAPITAL FOR A **SAFE, SMART & SUSTAINABLE RAILWAY ECOSYSTEM**

NATIONAL PRIORITIES • OUR MISSION

ATMANIRBHAR BHARAT • VIKSIT BHARAT 2047



**Empowering
Talent**



**Ensuring
Safety**



**Strengthening
Railways**



**Driving
Progress**



**Enabling
Innovation**



**Building a Better
Tomorrow**





UNIVERSITY OF RAIL TECHNOLOGY AND MANAGEMENT

Shaping the Future of Rail, Infrastructure and Mobility

Knowledge • Innovation • Safety • Sustainability

— A Visionary Foundation —



Visionary Foundation

The University of Rail Technology and Management is a landmark initiative envisioned by Dr. R. Padmanabhan, Chairman of the All India Rail Safety Council, in strategic collaboration with Dr. Rahul Misra, Vice Chairman and an internationally experienced management expert.

This University represents a bold and futuristic step toward redefining sector-driven education, aimed at creating a highly skilled, adaptive, and globally competitive workforce for the rail, infrastructure, logistics and mobility sectors.

Context & Global Relevance

Aligned with National Education Policy 2020, the University bridges the gap between academic knowledge and industry expectations in railways, transport and disaster resilience. It creates a future-ready learning ecosystem for the 21st century.

- In today's 24/7 global economy, professionals must be:

- ✓ Technologically proficient
- ✓ Safety-conscious
- ✓ Operationally agile
- ✓ Globally aware

Our Mission

To transform professional education into an employability-driven ecosystem and produce **job creators, innovators and safety leaders**, not merely degree holders.



Core Academic Domains & Schools of Excellence

1 School of Rail Engineering & Infrastructure

- ✓ Railway track engineering & high-speed rail systems
- ✓ Signalling, telecom & train control systems
- ✓ Rolling stock design & modernization
- ✓ Smart rail & metro rail systems



2 School of Rail Safety & Disaster Management

- ✓ Rail safety engineering & risk assessment
- ✓ Accident investigation & forensic analysis
- ✓ Disaster preparedness & resilience
- ✓ Fire safety & crisis leadership



3 School of Transport & Logistics Management

- ✓ Multimodal logistics & supply chain
- ✓ Freight corridors & port connectivity
- ✓ Urban mobility & smart transport systems
- ✓ Aviation, maritime & integrated transport



4 School of Technology, AI & Digital Rail Systems

- ✓ AI in rail operations
- ✓ IoT & predictive maintenance
- ✓ Data analytics, cybersecurity & digital twins
- ✓ Automation, robotics & smart control systems



5 School of Business, Leadership & Policy

- ✓ Infrastructure finance & project management
- ✓ Public policy & regulatory frameworks
- ✓ Strategic management for transport sectors
- ✓ Leadership development & global strategy



6 School of Sustainability & Environmental Studies

- ✓ Green rail technologies & energy efficiency
- ✓ Climate resilience in transport
- ✓ Environmental impact assessment
- ✓ Sustainable urban mobility



7 School of Skill Development & Vocational Training

- ✓ Technician and operator skill certification
- ✓ Field-based & simulation training
- ✓ Industry apprenticeship programs
- ✓ Employability enhancement modules



Triangular Learning Framework

- Online Learning**
Global classrooms, AI-enabled platforms
- Blended Learning**
Classroom + simulations + case studies
- Manual / Experiential Learning**
Hands-on training, live projects and industry immersion

Industry Integration & Custom Programs

- ✓ Tailor-made programs endorsed by industry partners
- ✓ Customized executive education & leadership programs
- ✓ Real-time curriculum updates
- ✓ Digital portal for flexible, modular & lifelong learning

Autonomous | Skill-oriented | Globally benchmarked

Research, Innovation & Knowledge Platform

- ✓ Rail safety innovation & accident prevention
- ✓ Smart mobility & intelligent transport systems
- ✓ Disaster risk reduction & resilience engineering
- ✓ Emerging technologies in infrastructure & logistics

Built on Three Pillars

Creativity | Competence | Challenge

Institutional Vision

- ✓ Redefine professional education in rail & transport
- ✓ Contribute to nation-building and infrastructure growth
- ✓ Support Make in India & Atmanirbhar Bharat
- ✓ Position India as a global leader in rail safety, technology and management education

Building Skills • Creating Opportunities • Ensuring Safety • Driving Sustainable Mobility



World-Class Education



Research & Innovation



Industry Partnerships



Global Opportunities



Safe Tracks Strong Nation

UNIVERSITY OF RAIL TECHNOLOGY AND MANAGEMENT
A Transformational Initiative for a Safer, Smarter and Greener Tomorrow

www.railsafety.co.in



AIRSC

RAIL SAFETY NEWS

A Unit Of
All India Rail Safety Council



DRIVING SAFER, SMARTER, STRONGER RAILWAYS

AIRSC Rail Safety Magazine is a premier bi-monthly publication committed to enhancing safety, efficiency, and service quality across the Indian Railways.

As an initiative of the **All India Rail Safety Council (AIRSC)**, it serves as a vital knowledge platform for professionals, policymakers, engineers, and researchers dedicated to advancing rail transport.

WHY THIS MAGAZINE MATTERS?



Promotes Safety Excellence – Shares best practices, innovations, and research to strengthen railway safety.



Enhances Operational Efficiency – Covers capacity management, timetabling, signalling, and automation.



Supports Smarter Planning – Explores modern tools for traffic analysis, demand forecasting, and performance optimization.



Drives Innovation – Highlights cutting-edge technology, sustainable solutions, and global advancements.



Fosters Policy & Strategy Alignment – Assists in aligning national and international rail policies and investment strategies.



Features Impact Studies – includes pilot feasibility analyses and impact assessments to improve rail infrastructure.



Connects Experts Worldwide – Brings together academics, industry leaders, and railway professionals for knowledge exchange.

WHAT WE COVER



RAIL OPERATIONS & MANAGEMENT

Capacity, Scheduling, Dispatching & Crew Management



SAFETY & TECHNOLOGY

Signalling, Train Control Automation & High-Speed Rail Systems



TRANSPORT & BUSINESS PLANNING

Policy, Economics, Financing & Business Models



SUSTAINABILITY & FUTURE MOBILITY

Energy Efficiency & Green Rail Solutions



KNOWLEDGE TODAY. SAFETY TOMORROW.

AIRSC Rail Safety News -





AIRSC INITIATIVE FOR RAILWAY HEALTHCARE & JANAUSHADHI SERVICES

Enhancing Passenger Safety, Public Health & Affordable Medical Access



PMBJK Kendras at Major Railway Stations Across India

The All India Rail Safety Council (AIRSC) is strengthening healthcare access, **emergency medical response**, and **preventive health systems** across India's railway network.

WHY THIS INITIATIVE MATTERS



23 Million+ Passengers Travel Daily



Healthcare Access at Major Stations



Affordable Janaushadhi Medicines



Faster Emergency Response & Medical Aid

OUR COMMITMENT



Passenger Safety



Public Health



Affordable Medicines



Preventive Care

“ Together, we are building a **Safer, Healthier & Self-Reliant Railway Ecosystem** for Bharat. ”

www.railsafety.co.in




ALL INDIA RAIL SAFETY COUNCIL

www.railsafety.co.in

AIRSC INITIATIVE FOR RAILWAY HEALTHCARE & JANAUSHADHI SERVICES

Enhancing Passenger Safety, Public Health & Affordable Medical Access

The All India Rail Safety Council (AIRSC), as a leading national institution dedicated to advancing railway safety and public welfare, has undertaken a strategic initiative to strengthen healthcare access, emergency medical response, and preventive health systems across India's railway network.






OVER 23 MILLION PASSENGERS TRAVEL DAILY

OUR INITIATIVE

Recognizing the scale and critical importance of Indian Railways—where over 23 million passengers travel daily—AIRSC has conducted an in-depth assessment on establishing **Pradhan Mantri Bhartiya Janaushadhi Kendras (PMBJK)** at major railway stations across the country.



AFFORDABLE MEDICINES

Quality medicines at low cost for all passengers and staff.



TIMELY MEDICAL CARE

Access to essential healthcare services at major railway stations.



EMERGENCY RESPONSE

Strengthening first-aid and emergency medical support systems.



PREVENTIVE HEALTH

Promoting wellness, awareness, and preventive healthcare.

INTEGRATING RAIL SAFETY WITH PUBLIC HEALTH INFRASTRUCTURE

For a Safer, Healthier & Stronger India



AIRSC

RAIL SAFETY NEWS

A Unit Of
All India Rail Safety Council



DRIVING SAFER, SMARTER, STRONGER RAILWAYS

AIRSC Rail Safety Magazine is a premier bi-monthly publication committed to enhancing safety, efficiency, and service quality across the Indian Railways. As an initiative of the **All India Rail Safety Council (AIRSC)**, it serves as a vital knowledge platform for professionals, policymakers, engineers, and researchers dedicated to advancing rail transport.

WHY THIS MAGAZINE MATTERS?



Promotes Safety Excellence – Shares best practices, innovations, and research to strengthen railway safety.



Enhances Operational Efficiency – Covers capacity management, timetabling, signalling, and automation.



Supports Smarter Planning – Explores modern tools for traffic analysis, demand forecasting, and performance optimization.



Drives Innovation – Highlights cutting-edge technology, sustainable solutions, and global advancements.



Connects Experts Worldwide – Brings together academics, industry leaders, and railway professionals for knowledge exchange.

WHAT WE COVER



RAIL OPERATIONS & MANAGEMENT

Capacity, Scheduling, Dispatching & Crew Management



SAFETY & TECHNOLOGY

Signalling, Train Control, Automation & High-Speed Rail Systems



TRANSPORT & BUSINESS PLANNING

Policy, Economics, Financing & Business Models



SUSTAINABILITY & FUTURE MOBILITY

Energy Efficiency & Green Rail Solutions



National Centre for Railway Safety Excellence

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.”

www.airsc.in





AIRSC

RAIL SAFETY NEWS



**JOIN THE SAFETY TEAM
THAT SAVES THE NATION**

ALL INDIA RAIL SAFETY COUNCIL



Indian Railways
Life Line To The Nation

