

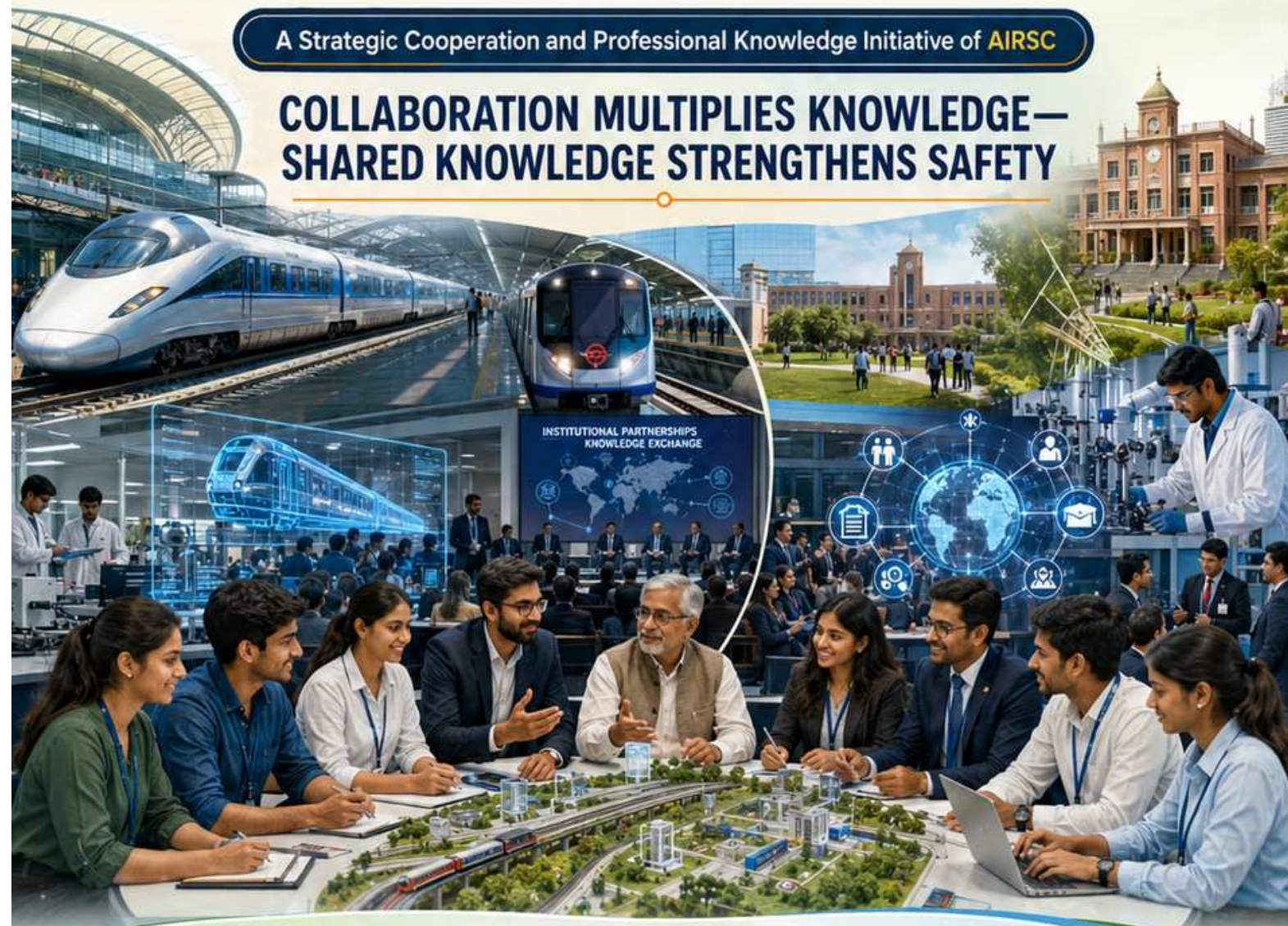


AIRSC INSTITUTIONAL PARTNERSHIPS & KNOWLEDGE EXCHANGE

Connecting Institutions • Advancing Knowledge • Inspiring Innovation • Strengthening Railway Safety

A Strategic Cooperation and Professional Knowledge Initiative of **AIRSC**

COLLABORATION MULTIPLIES KNOWLEDGE— SHARED KNOWLEDGE STRENGTHENS SAFETY



CONNECT



RESEARCH



INNOVATE



CREATE SAFETY VALUE

ALL INDIA RAIL SAFETY COUNCIL

Railways—The Lifeline of Our Nation

Safety First
• Safety Always

 WWW.RAILSAFETY.CO.IN



RAILWAY
VISION 2047



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BHARAT



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BHARAT 2047



DIGITAL
INDIA



MAKE IN
INDIA



SKILL
INDIA



SUSTAINABLE &
GREEN MOBILITY



ACADEMIC PARTNERSHIPS FOR FUTURE-READY RAILWAY SAFETY

Connecting Classroom Learning with
Contemporary Transportation Challenges



UNIVERSITIES • ENGINEERING COLLEGES • MANAGEMENT INSTITUTIONS • RESEARCH CENTRES • VOCATIONAL ORGANISATIONS



GUEST LECTURES



WORKSHOPS



TECHNICAL SEMINARS



FACULTY
DEVELOPMENT



STUDENT RESEARCH



CURRICULUM
CONSULTATION



INTERNSHIPS &
FELLOWSHIPS



SUPERVISED
PROJECTS

ENGINEERING • MANAGEMENT • DISASTER MANAGEMENT • CYBERSECURITY • PUBLIC HEALTH •
PSYCHOLOGY • ENVIRONMENT • PUBLIC POLICY

EDUCATION + INDUSTRY RELEVANCE = PROFESSIONAL CAPABILITY



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RESEARCH COOPERATION FOR MEASURABLE RAILWAY SAFETY VALUE

POSTER
3 OF 8

Joint Studies • Evidence-Based Solutions • Practical Recommendations



RESEARCH PATHWAY



DATA ACCURACY • ETHICAL OVERSIGHT • CONFIDENTIALITY • PRACTICAL RELEVANCE



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INDUSTRY & TECHNOLOGY PARTNERSHIPS FOR SAFER RAILWAYS

POSTER

4

OF 8

Evaluate Responsibly • Innovate Transparently • Deploy Through Competent Authority

INDIAN
MANUFACTURERS



INFRASTRUCTURE
ORGANISATIONS



START-UPS &
INNOVATORS



CONSULTANTS &
SYSTEM INTEGRATORS



STUDENTS &
RESEARCHERS



FACULTY &
ACADEMIA



TECHNOLOGY
SPECIALISTS



START-UP INNOVATION STUDIO



MANUFACTURING & TESTING EXCELLENCE



SMART RAILWAY CONTROL CENTRE



ENABLING TECHNOLOGIES



AI



DIGITAL TWINS



IoT & SENSORS



DRONES



ROBOTICS



PREDICTIVE
ANALYTICS



INTELLIGENT ASSET
MANAGEMENT



ADVANCED
COMMUNICATION



PASSENGER
INFORMATION



EMERGENCY
RESPONSE

EVALUATION CHECKLIST

- ✓ SAFETY VALUE
- ✓ RELIABILITY
- ✓ INTEROPERABILITY
- ✓ AFFORDABILITY
- ✓ CYBERSECURITY
- ✓ INDIAN OPERATING SUITABILITY



INNOVATION MUST SOLVE GENUINE SAFETY PROBLEMS

PARTICIPATION DOES NOT CONSTITUTE TECHNICAL APPROVAL, PROCUREMENT RECOMMENDATION,
REGULATORY ACCEPTANCE OR GOVERNMENT ENDORSEMENT



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EXPERT NETWORKS • PUBLIC DIALOGUE • GLOBAL KNOWLEDGE EXCHANGE

Learn Selectively • Strengthen Indian Capability • Share India's Experience



PROFESSIONAL
BODIES



STANDARDS
SPECIALISTS



RETIRED
EXPERTS



RESEARCHERS



PUBLIC
INSTITUTIONS



DISASTER
MANAGEMENT
PARTNERS



TRANSPORT
PROFESSIONALS



FACULTY &
STUDENTS



INTERNATIONAL
EXPERTS



EXPERT
PANELS



TECHNICAL
CONSULTATIONS



PEER
REVIEW



MENTORSHIP



POLICY
DIALOGUE



COMPARATIVE
RESEARCH



INTERNATIONAL PATHWAY



GLOBAL
EXPERIENCE



INDIAN
EVALUATION



LOCAL
ADAPTATION



INDIGENOUS
CAPABILITY



GLOBAL
CONTRIBUTION



COOPERATION COMPLEMENTS—IT **DOES NOT REPLACE**—
THE AUTHORITY OF GOVERNMENT, RAILWAY OR METRO INSTITUTIONS



SHARED EXPERTISE • COLLECTIVE RESPONSIBILITY • SAFER RAILWAYS



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KNOWLEDGE EXCHANGE THAT **BUILDS PEOPLE** AND **INSTITUTIONS**

Conferences • Workshops • Seminars • Publications • Young-Professional Development

**BUILDING SAFER
RAILWAYS TOGETHER**



**NATIONAL
CONFERENCES**



**TECHNICAL
SEMINARS**



WORKSHOPS



ROUNDTABLES



WEBINARS



PUBLICATIONS



**EXPERT
CONSULTATIONS**



**THEMATIC
FORUMS**



YOUNG TALENT

- SUPERVISED RESEARCH
- INTERNSHIPS
- FELLOWSHIPS
- INNOVATION CHALLENGES
- TECHNICAL PAPERS
- EDUCATIONAL VISITS



FACULTY & LEADERS

- TECHNICAL UPDATES
- TRAIN-THE-TRAINER
- RESEARCH METHODOLOGY
- LEADERSHIP DEVELOPMENT



**DEVELOP KNOWLEDGE MULTIPLIERS
FOR SAFER RAILWAYS**

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TRUSTED PARTNERSHIPS REQUIRE CLEAR GOVERNANCE

Transparency • Ethics • Accountability • Responsible Communication

GOVERNANCE FRAMEWORK

- 01 PURPOSE
- 02 SCOPE
- 03 ROLES
- 04 DURATION
- 05 DELIVERABLES
- 06 CONFIDENTIALITY
- 07 REVIEW
- 08 TERMINATION



GOVERNANCE PILLARS



DATA
ETHICS



INTELLECTUAL
PROPERTY



CONFLICT-OF-
INTEREST
DISCLOSURE



FINANCIAL
TRANSPARENCY



RESPONSIBLE
BRANDING



AUTHORISED
COMMUNICATION



AN MoU DOES NOT BY ITSELF CREATE FINANCIAL OBLIGATION, EXCLUSIVITY,
PROCUREMENT COMMITMENT, GOVERNMENT APPROVAL OR OPERATIONAL AUTHORITY



NO MISLEADING ENDORSEMENT • NO UNAUTHORISED LOGO USE •
NO UNAUTHORISED COLLECTION OF MONEY • NO FALSE GOVERNMENT-AFFILIATION CLAIMS



PROFESSIONAL OBJECTIVITY MUST REMAIN EVIDENCE-BASED

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SUSTAINABLE &
GREEN MOBILITY



CONNECTING INSTITUTIONS • CREATING KNOWLEDGE • TRANSFORMING RAILWAY SAFETY

Partnership for Progress • Knowledge for Protection • Innovation for the Nation



KNOWLEDGE-TO-ACTION PATHWAY



IDENTIFY
THE PROBLEM



REVIEW
EVIDENCE



CONSULT
STAKEHOLDERS



DEVELOP
SOLUTION



PLAN
PILOT



EVALUATE



OUR VALUES



COLLABORATE
WITH PURPOSE



SHARE KNOWLEDGE
RESPONSIBLY



INNOVATE
WITH INTEGRITY



CREATE
MEASURABLE
SAFETY VALUE

NATIONAL IMPACT



STRONGER
RESEARCH
COOPERATION



PROFESSIONAL
EDUCATION



INDIGENOUS
INNOVATION



WIDER
PUBLIC
AWARENESS



BETTER
KNOWLEDGE
RESOURCES



SAFER RAIL &
METRO SYSTEMS

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