Organised by:

ITS INDIA
Shaping the Future of Mobility

भारतीय सांकेतिक विज्ञान संस्थान हैदराबाद
भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

OMI
FOUNDATION

इलेक्ट्रॉनिकी एवं
सूचना प्रौद्योगिकी मंत्रालय
MINISTRY OF
ELECTRONICS AND
INFORMATION TECHNOLOGY
सत्यमेव जयते

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Power To Empower

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ITS INDIA
CONGRESS
2025

Pre-Summit Event
of the AI Impact
Summit 2026

FIRST
ITS INDIA
CONGRESS

AI in Mobility

For Safer, Sustainable and Connected Roads

6-7
November 2025

IIT Hyderabad
Telangana, India

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ADVANCING KNOWLEDGE FOR SUSTAINABILITY

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ABOUT THE ORGANISERS

ITS India Forum

ITS India Forum is India's premier think tank advancing Intelligent Transport Systems (ITS) for safer, sustainable, and connected mobility. Bringing together government, industry, and academia, it shapes policies, standards, and innovation, providing global best practices and India-specific insights to build future-ready roadmaps. Collaborating with OEMs, technology firms, start-ups, and researchers, the Forum pilots AI-based traffic management, connected vehicles, tolling, logistics, and road safety solutions.

Its core & strategic four pillars are: Policy & Standards Advocacy, Capacity Building, Public-Private Collaboration, and Research & Innovation. Moving beyond technology, ITS India Forum drives safer roads, efficient logistics, greener mobility, and inclusive transport, aligning Vision 2047 with practical 2030 roadmaps to position India as a global leader in mobility innovation.

IIT Hyderabad

IIT Hyderabad (IITH), established in 2008, has rapidly become a leader in academics, research, technology, and startups. Ranked 6th in Innovation and 7th in Engineering under NIRF, it also holds QS World Ranking 664 with top 10% citations per faculty. With 330+ faculty and 5,790+ students (60% PG/PhD), IITH drives research through 4,990+ projects worth ₹1,590+ Cr and ₹335+ Cr R&D funding in 2024–25. Achievements include 12,100+ publications, 2,25,000+ citations, 560+ patents, and 320+ startups generating ₹1,500+ Cr revenue. Guided by "Inventing & Innovating in Technology for Humanity", IITH pioneers AI/ML, 5G/6G, mobility, energy, and smart technologies, establishing itself as a global innovation hub. The Transportation Engineering Division of The Department of Civil Engineering at the Indian Institute of Technology, Hyderabad, was instituted in 2016. Since its inception, the Transportation Engineering Division at IITH has been committed to quality education, field-specific research & development. The vision of the specialization is to give the best exposure to aspiring transportation professionals and technocrats to various challenges associated with transportation systems and solutions with the aid of emerging technologies.

OMI Foundation

OMI Foundation is a new-age think tank driving impact at the intersection of mobility innovation, governance, and public good. Committed to advancing India's leadership in sustainability and technology, it works across AI, future mobility, clean-tech, industrial transitions, and social inclusion. The Foundation blends research, pilots, and policy advocacy, ensuring ideas translate into scalable solutions. Recognised for advancing AI for public good, it develops frameworks, datasets, and applications for mobility, urban planning, and governance. Guided by its mission of aligning technology with inclusive growth, OMI Foundation envisions India's development as innovative, resilient, and equitable.

Policy Advocacy

Awareness Campaigns

ITS INDIA
Shaping the Future of Mobility

Research Support

Skill Development

Program

Day 01

Inaugural
Registration
Opening ceremony and keynote addresses.

SESSION 1
National Roadmap for ITS in India –
Policy, Governance & Collaboration
ITS Vision 2030 & 2047: policy frameworks, data architecture, and KPIs
Government - industry - academia partnerships and PPP models Workforce development, R&D ecosystems, and long-term governance

SESSION 2
Barrier less Tolling and Way Forward
Multilane Freeflow, Congestion Pricing, Road User Charging and GNSS based Tolling

SESSION 3
AI in Mobility
Road safety, AI-driven enforcement, human factors, and cybersecurity
ITS for public transport, shared mobility, and tier-2/3 city adaptation
Climate resilience, sustainable transport, and affordability in scaling.

Day 02

SESSION 4
ITS Testbeds and City Deployments: The Hyderabad Case
Vision, current status, and implemented solutions Research initiatives, innovation pipelines, and upcoming deployments Impact, outcomes, and lessons learned for wider adoption.

SESSION 5
Emerging Technologies, Innovation & Pilot Deployments
C-V2X, Electric Road Systems (ERS), ADAS & Human Behaviour, Start-up and OEM innovations, smart city pilots, and corridor projects

SESSION 6
Research, Innovation & Future Directions
Hackathon: final five presentations ITS research showcase: best five posters
Launch of ITS India Practitioners Journal

SESSION 7
Awards for industry
Industry: SME/ MSME & Startups, Best ITS enabled city, Best ITS enabled road, Best ITS enabled vehicle OEM

ITS AT A GLANCE

A India's Transportation Growth Story & the Role of ITS

India's transportation sector has grown rapidly over the past two decades, with highways expanding by over 60%, metro rail spreading from one city to more than 20, and air traffic nearly tripling. Infrastructure like dedicated freight corridors, logistics parks, and digital platforms such as FASTag has enhanced connectivity, making transport a key driver of economic growth. The sector contributes about 6.3% of GDP and supports millions of livelihoods.

However, this growth brings serious challenges. Road crashes claim around 180,000 lives annually, costing 3–3.5% of GDP, while congestion drains $22 billion each year. Freight inefficiencies keep logistics costs at 14% of GDP—nearly double global benchmarks—hurting export competitiveness.

India now stands at an inflection point. Future growth must emphasize safety, efficiency, sustainability, and inclusivity. Intelligent Transportation Systems (ITS) - powered by AI, connected vehicles, and digital platforms - can drive this shift, enabling smarter, greener, and globally competitive mobility.

B ITS India Congress

India's Annual Flagship Platform on Intelligent Transportation Systems

The ITS India Congress, launched by the ITS India Forum, is envisioned as the nation's annual flagship event on Intelligent Transportation Systems—modelled on global counterparts such as the ITS World Congress, ITS America, ITS Asia-Pacific, and other national ITS forums.

With India's transportation sector witnessing rapid growth in highways, metro rail, and digital infrastructure, the need for smarter, safer, and more sustainable mobility has become critical. As the country with the world's second-largest road network and the third largest, fastest-growing vehicle market, India faces challenges such as congestion, logistics inefficiencies, and road safety, which demand the integration of digital intelligence and ITS solutions.

The Congress will serve as a national platform for government, industry, academia, and startups to shape India's ITS roadmap, align with global best practices, and foster innovation. Its highlights will include ministerial plenaries, policy roundtables, innovation showcases, exhibitions, academic sessions, hackathons, and opportunities for international collaboration.

The Congress will position India as a global thought leader in ITS by driving knowledge creation, pilot initiatives, and policy frameworks, while showcasing India's mobility innovations on the world stage.

C ITS India Congress 2025: AI in Mobility

The convergence of Artificial Intelligence (AI) and Intelligent Transportation Systems (ITS) is transforming global mobility. From predictive crash analytics and adaptive traffic management to smart logistics and EV integration, AI-powered ITS is redefining how people and goods move.

For India, one of the fastest-growing mobility markets, AI in Mobility is both an opportunity and a necessity. Road crashes cost nearly 3% of GDP, congestion drains $22 billion annually, and freight inefficiencies keep logistics costs high. These challenges directly threaten lives, productivity, and competitiveness.

AI-powered ITS directly advances SDG 3.6 by reducing road fatalities through connected vehicles, crash prediction, and smart enforcement. It supports SDG 11.2 by making transport more inclusive—through accessible public transit, rural connectivity, and AI-enabled platforms for equitable mobility.

By leveraging India's engineering talent, startups, and digital infrastructure, AI in Mobility will accelerate the nation's path to Viksit Bharat 2047, positioning India as a global leader in safe, sustainable, and intelligent mobility.
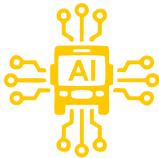
HIGHLIGHTS

CONFERENCE
High-level plenary
& technical sessions

EXHIBITION
Showcase of ITS solutions
products & services

SMART MOBILITY WITH AI
India's ITS Roadmaps &
Vision 2047 Report Series

INNOVATION CONFLUENCE
Hackathon & Poster Showcase

AWARD
ITS Excellence Awards

KEY FOCUS AREAS

National AI in Mobility
Mission & Infrastructure

Scalable, Inclusive, and
Ethical AI Adoption

Innovation & Startup
Ecosystem for AI in
Transport

Sustainable, Safe &
Climate Resilient Mobility

Capacity Building, R&D,
and Regulation

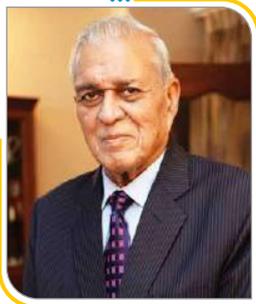CyberSecure Mobility:
Building Trust in AI

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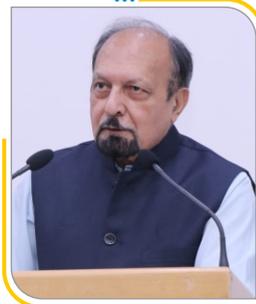
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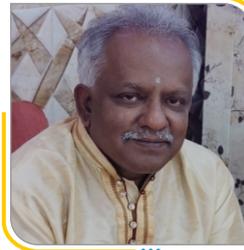**Mr. Krishna Chaitanya Reddy**
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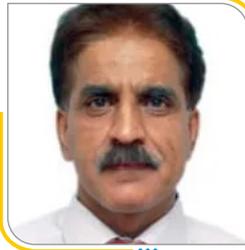Technocrat - EoDB
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GLIMPSES OF **PAST EVENTS**

Vision Zero Fatalities in Road Accidents using Next-Gen Technologies Conference

31st ITS World Congress, Atlanta, USA, Aug 2025

30th ITS World Congress, Dubai, Sep 2024

20th ITS Asia Pacific, Suwon, Korea, May 2025

Rountable on Comprehensive National ITS Policy at NITI Aayog

Connected Vehicles Stakeholders Meet, Jan 2025

Fireside Chat, Connected Vehicles Stakeholders Meet, Jan 2025

Advancing Traffic Safety Workshop @ IIT Hyderabad

Road User Safety Event @ IIT Hyderabad

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