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In Collaboration with



# ITS INDIA CONGRESS

# FIRST ITS INDIA CONGRESS

**AI in Mobility:**

For Safer, Sustainable and Connected Roads



6-7  
November 2025



IIT Hyderabad  
Telangana, India

Principal Sponsor



Knowledge Partners



# 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.

## 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.



# Program

## Day 01



### Inaugural

Registration

Opening ceremony and keynote addresses.

1

SESSION

### 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

2

SESSION

### Barriers to Scaling Intelligent Transport Systems

Standards and interoperability gaps, inconsistent implementation, and weak monitoring  
Procurement and contracting challenges, lack of model frameworks  
Funding, investment limitations, and long-term financial sustainability.

3

SESSION

### 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

4

SESSION

### 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.

5

SESSION

### Emerging Technologies, Innovation & Pilot Deployments

C-V2X, 5G/IoT, edge-cloud systems, and ATMS for Indian cities  
Highway ITS: freight corridors, logistics optimization, and digital twins  
Start-up and OEM innovations, smart city pilots, and corridor projects

6

SESSION

### Research, Innovation & Future Directions

Hackathon: final five presentations  
ITS research showcase: best five posters  
Launch of ITS India Practitioners Journal

7

SESSION

### 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

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Scalable, Inclusive, and  
Ethical AI Adoption

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Innovation & Startup  
Ecosystem for AI in  
Transport

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Sustainable, Safe &  
Climate Resilient Mobility

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Capacity Building, R&D,  
and Regulation

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CyberSecure Mobility:  
Building Trust in AI

## OUR PATRONS



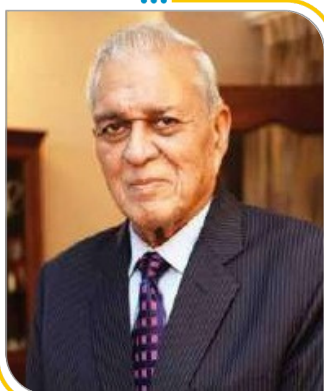
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## GLIMPSES OF PAST EVENTS



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The sponsorship options provided are designed to maximize visibility and accommodate diverse budget levels. Enhance your participation by opting to engage across event platforms or focusing on your specific segment. The choice is yours—tailor your sponsorship by combining speaking opportunities and on-site presence to align seamlessly with your business objectives and target audience, so as to network and collaborate.

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- Platinum Partner
- Diamond Partner
- Gala Dinner Partner
- Gold Partner
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- Networking Lunch Partner (Day 1)
- Networking Lunch Partner (Day 2)
- Delegate Kit Partner
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