

GLOBAL LEADERSHIP PROGRAMME

Intelligent Transportation Systems (ITS): Emerging Opportunities & Innovations

**A Joint Certification Course by
South Asian University (SAU) &
ITS India Forum**

**Exclusive for Government
and PSUs from India & other
SAARC countries**



PRESIDENT'S MESSAGE

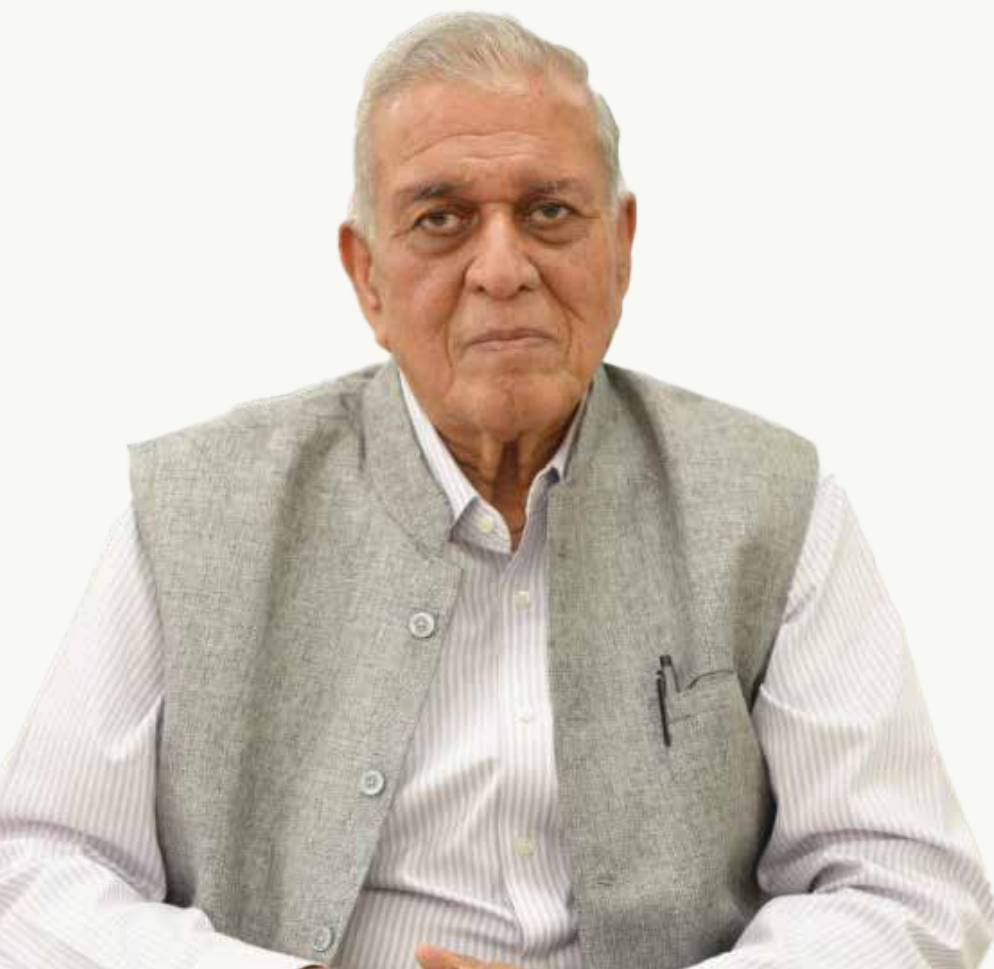
Intelligent Transportation Systems are not just about technology, but about people. By investing in capacity building, skill development, and higher education, we empower the next generation of leaders, researchers, and innovators to design mobility solutions that are safe, sustainable, and inclusive for South Asia and beyond.

South Asian University and ITS India Forum have

collaborated to jointly explore the feasibility of launching an M.Tech program in Transportation Engineering and an MBA in Transportation Management. With ITS India as knowledge partner, the collaboration focuses on capacity building, skill development, and research to address mobility, sustainability, and industry-driven challenges.

Prof. K. K. Aggarwal

President, South Asian University



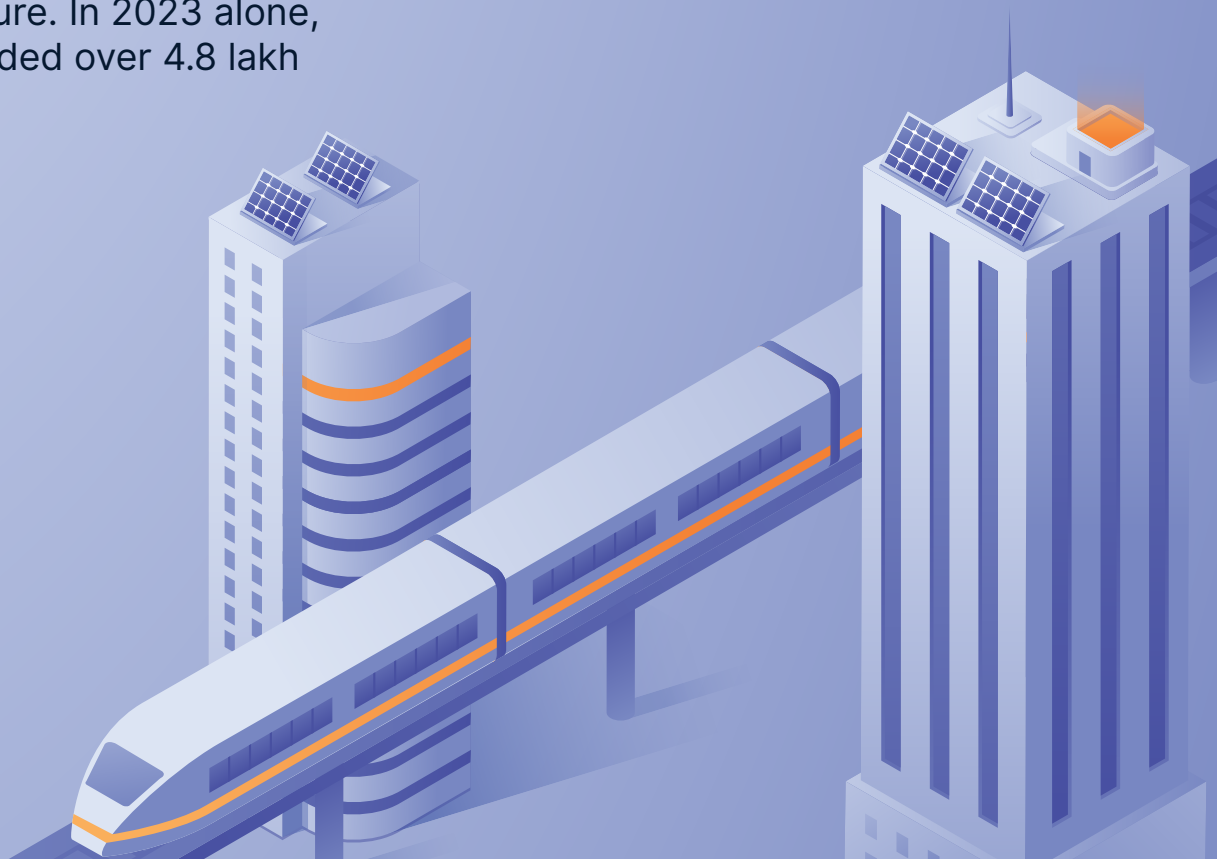
INTRODUCTION TO ITS TRANSPORTATION SECTOR

India's transportation sector is one of the largest and most dynamic in the world. It plays a vital role in facilitating regional connectivity, economic activity, and national growth. With over 66 lakh kilometers of roadways, a rapidly expanding metro network, and ambitious highway and logistics corridor projects, the sector facilitates the movement of more than 90% of passenger traffic and 60% of freight.

However, this sector faces a number of complicated challenges as cities grow and the number of vehicles increases, including increased traffic congestion, concerns about road safety, pollutants, and strain on the infrastructure. In 2023 alone, India recorded over 4.8 lakh

road accidents, resulting in 1.72 lakh fatalities—one of the highest in the world.

This urgent situation requires a change from traditional methods to technology-based, intelligent transportation solutions. Intelligent Transportation Systems (ITS) offer this leap—integrating artificial intelligence, communication networks, geospatial tools, and advanced sensors into transportation planning, operations, and infrastructure. ITS signifies a fundamental shift in the conception, management, and experience of mobility systems.



KEY FOCUS AREAS

01

Road Safety and Public Health

Through automated enforcement systems, predictive analytics, and real-time monitoring, ITS makes proactive safety management possible. Technologies like collision avoidance, smart crosswalks, and adaptive traffic signals can drastically reduce accident rates, saving thousands of lives annually.

02

Urban Mobility & Congestion Management

With Indian cities facing increasing pressure on roads and public transport, ITS facilitates smoother, more efficient travel. Solutions like integrated multimodal platforms, dynamic traffic routing, and intelligent public transit scheduling reduce travel times, fuel use, and commuter stress.

03

Green & Sustainable Transport

ITS supports India's push toward carbon neutrality by integrating with electric vehicles (EVs), hydrogen-powered fleets, and renewable energy-powered infrastructure. Smart charging systems, emission monitoring tools, and optimized routing contribute to a low-carbon transport future.

04

Smart Logistics & Freight Optimization

Supply chains benefit from GPS-enabled tracking, automated warehousing, and AI-driven route planning. These reduce delivery costs, fuel consumption, and transit delays—boosting India's competitiveness in global trade.

05

Digital Infrastructure & Innovation

The adoption of 5G/6G, V2X communication, and geospatial analytics in ITS opens avenues for startups, IT firms, and R&D centers. Emerging areas like Mobility-as-a-Service (MaaS), blockchain in transport, and autonomous vehicle systems are poised for growth.

06

Public-Private Partnerships (PPP) and Investment

Government policies such as the National ITS Policy and Smart City Mission are fostering a conducive environment for private investment and innovation. Opportunities in smart parking, tolling, fleet management, and highway automation are rapidly expanding under PPP models.

07

Skilling and Capacity Building

As ITS expands, so does the demand for skilled professionals in AI, data science, traffic engineering, urban planning, and systems integration. This presents major upskilling and career development opportunities across public and private sectors.



INTRODUCTION TO THE WORKSHOP

This South Asian University - ITS India training seminar focuses on Intelligent Transportation Systems (ITS) trends, emerging technologies, and practical implementations tailored for India and South Asia.

As urban centres grow and roads become congested, ITS offers scalable, sustainable solutions by leveraging electronics, communications, and data to optimize mobility.

This course emphasizes not just infrastructure, but intelligent integration of systems to improve transport productivity, safety, and sustainability.

PROGRAMME OBJECTIVES

01

Enable strategic leadership in Intelligent Transportation Systems (ITS)

02

Assess global ITS trends, technologies, and best practices

03

Strengthen decision-making capability

04

Advance governance, standards, and cybersecurity readiness

05

Evaluate financial, commercial, and PPP models

06

Build leadership awareness of talent, innovation, and entrepreneurship needs

WHO SHOULD ATTEND?

01

Senior
Government
Officials

02

Policymakers

03

Regulators

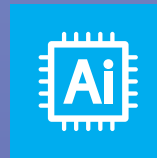
04

Urban
Planners

WHY SHOULD YOU JOIN THIS PROGRAMME?



Influence India's national mobility and ITS strategy aligned with Vision 2047, Gati Shakti, NUTP, and Smart City Missions



Gain strategic foresight on global ITS trends, standards, and regulations



Translate policy vision into scalable, real-world implementation



Engage with national and international thought leaders



Strengthen institutional and organizational leadership capacity



Earn a prestigious joint certification issued by SAU & ITS India Forum

EXPECTED OUTCOMES

Professional Development

- Strengthen expertise in smart mobility, urban transport systems, and ITS-enabled planning
- Enhance the capacity to contribute to data-driven infrastructure and policy decisions
- Stay updated with global ITS standards, frameworks, and deployment models
- Build cross-sectoral knowledge that bridges technology, governance, and urban sustainability
- Improve ability to lead and support ITS projects in public and private sector environments

Intrinsic Motivation

- Acquire hands-on experience with AI-based traffic systems and innovative tools.
- Learn from real-world case studies across India and international contexts
- Expand your professional network by engaging with peers, experts, and stakeholders
- Deepen your understanding of ITS applications in safety, efficiency, and multimodal mobility



COURSE MODULES

DAY 01

Strategic Vision, Global Trends & Technology Leadership

- Theme 1** **Intelligent Transport Systems Transforming Business Strategy & Policy in Mobility**
How ITS is reshaping the transportation ecosystem—from mobility operations and vehicle manufacturing to road infrastructure planning.
- Theme 2** **Global ITS Trends, Market Dynamics & Future Readiness**
Exploring the technologies defining next-generation mobility.
- Theme 3** **Global Best Practices & High-Impact ITS Case Studies**
Insights from international leaders in smart mobility showcasing proven models, successful implementations, and transformative outcomes in ITS adoption
- Theme 4** **ITS for Societal Impact – Road Safety, Sustainability & Emission Reduction**
How intelligent systems contribute to safer, greener, and more efficient mobility.

DAY 02

Policy, Security and Standards in ITS

- Theme 5** **National Roadmap for Scalable ITS Deployment & Policy Alignment**
Identifying gaps and shaping policy frameworks for nationwide ITS integration
- Theme 6** **Cybersecurity Leadership in ITS for Digital Trust & System Resilience**
Ensuring the integrity of connected transportation ecosystems.
- Theme 7** **Governance Models, Interoperable Standards & Certification Frameworks**
Understanding the Indian and global standards that enable secure, seamless, and compliant ITS deployments across diverse mobility stakeholders
- Theme 8** **ITS Market Growth – Opportunities for Startups & Entrepreneurship**
Driving innovation and commercial success in the evolving ITS landscape.
- Theme 9** **Emerging Skillset, Capacity Building & Talent Development for ITS Scale-Up**
Building the workforce and collaborative ecosystem needed to accelerate ITS adoption.

From the Desk of the President, ITS India Forum



As Intelligent Transport Systems redefine the future of mobility, India must prepare a skilled workforce capable of bridging innovation, policy, and technology. Capacity building and skill development serve as engines of transformation—empowering professionals with foresight, agility, and expertise to navigate complex transport challenges. Investing in these areas accelerates our transition to safer

roads, smarter logistics, and sustainable mobility, positioning India as a global leader in Intelligent Transportation Systems. Collaboration with South Asian University will further strengthen this vision by fostering advanced education, research, and cross-border knowledge exchange, ensuring a sustainable pipeline of talent for the region and beyond.

Mr. Akhilesh Srivastava
President, ITS India

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DETAILS OF THE WORKSHOP

**2-Day Fully Residential
Programme**

**12-13 February 2026
South Asian University, New Delhi**

**Registration Closes:
10 Feb 2026**

Fees*:

₹40,000 [\$450]

*Includes Delegate Kit, Study
Material, Lodging and Boarding

Special Offers

**Group Discount: 10%
for 3 or more participants**

**Sponsorship
Opportunities
Available**

THE COURSE ORGANISER

About South Asian University (SAU)

South Asian University is an international public university established by the eight SAARC nations. Located in New Delhi, SAU promotes regional cooperation through high-quality education, research, and policy-oriented innovation, nurturing future leaders to address complex regional and global challenges.

About ITS India Forum

ITS India Forum is a premier national platform advancing intelligent and sustainable transportation solutions. As a not-for-profit professional body, it brings together policymakers, academia, industry, and technology leaders to foster innovation, standards development, and policy advocacy in smart mobility.

CONTACT US

For registration and other queries

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