



Workshop: Fundamentals of Traffic and Transportation

ABOUT OUR WORKSHOP

Saudi Arabia's rapid urban growth and mobility goals are transforming how transport systems are designed and managed. As cities grow smarter, engineers are at the forefront of creating safe, efficient, and sustainable networks.

This workshop by the **Saudi Council of Engineers (SCE)** revisits the fundamentals of traffic and transport engineering - from design and capacity to signal optimisation and multimodal integration - helping participants apply core principles to the Kingdom's evolving mobility landscape.

WORKSHOP AGENDA

Segment	Format
Opening Prompt	Problem Outline – Identifying key challenges in traffic flow and transport planning
Expert Framing	Short presentation: Core principles of traffic engineering and modern transport systems
Group Activity	Table-based work: Solving real-world traffic management and roadway design scenarios
Mid Break	—
Group Feedback	Sharing group insights and solutions
SCE Showcase	Global and regional best practices in traffic and transportation engineering

2 DECEMBER 2025

Tuesday | 15:30 – 17:00

The Visionary Workshop Zone

About SCE:

The Saudi Council of Engineers is a Saudi Arabian professional body intended to promote the engineering profession, develop and upgrade its standards and those practicing it. It operates under the supervision of Ministry of Commerce with headquarters in Riyadh.

Purpose of SCE:

The **Saudi Council of Engineers (SCE)** serves as the Kingdom's governing body for advancing the engineering profession and ensuring excellence across all its disciplines. Operating under the supervision of the **Ministry of Commerce**, the Council's purpose is to **regulate, develop, and uphold the highest standards of engineering practice** in Saudi Arabia.

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