ITS PLANNERS & ENGINEERS

Traffic operations

Capacity building

Dr Rajesh Krishnan · Chief Executive Officer



BACKGROUND · USA

Three certification programs

Discontinued 2009

Traffic Operations Practitioner Specialist® (TOPS)

Withdrawn because too few practitioners took it up.

Active

Professional Traffic Operations Engineer (PTOE)

Issued by the Institute of Transportation Engineers (ITE).

Active

Traffic Signal Technician Certification Program

International Municipal Signal Association (IMSA).

Syllabus across six subject areas



BACKGROUND · IMSA SYLLABUS

Hands-on signal technician skills

Cabinet wiring and components

Standards and specifications

Operating principles

How signals work

Vehicle detection

Sensing traffic demand

Communications systems

Field to centre

Tools, processes and materials

Used to build signal systems

Installation and maintenance

Signal fundamentals

Legal concerns

Liability and compliance

7

topic areas, field-level

BACKGROUND · UK

Provider-led courses

London School of Business and Administration

Global Certificate and Postgraduate Certificate in Traffic Operations

- Online, self-paced, open entry
- LSBA traffic short courses run 1–2 months
- Accreditation not stated for certificates

TM Ace Limited

Expert Traffic Management Training

- Traffic management contractor, Mildenhall
- NHSS 12 sector scheme courses: 12AB, 12D, TTMBC
- Traffic signals and pedestrian management
- Operative to supervisor level, site-focused rather than network operations

Janets

CPD Certified Diploma: Traffic Operations Manager

- Online, self-paced, about 6 hours
- 10 CPD points
- Multiple-choice exam, 60% to pass
- Network monitoring, incident response, stakeholder communication, compliance

Nine modules, from theory to practice

01
Introduction to traffic operations

02
Traffic flow theory and analysis

03
Traffic control devices and signage

04
Traffic signal timing and coordination

05
Intelligent Transport Systems (ITS)

06
Traffic data collection and analysis

07
Traffic safety and crash analysis

08
Transport planning and management

09
Sustainable transport solutions

INDIA

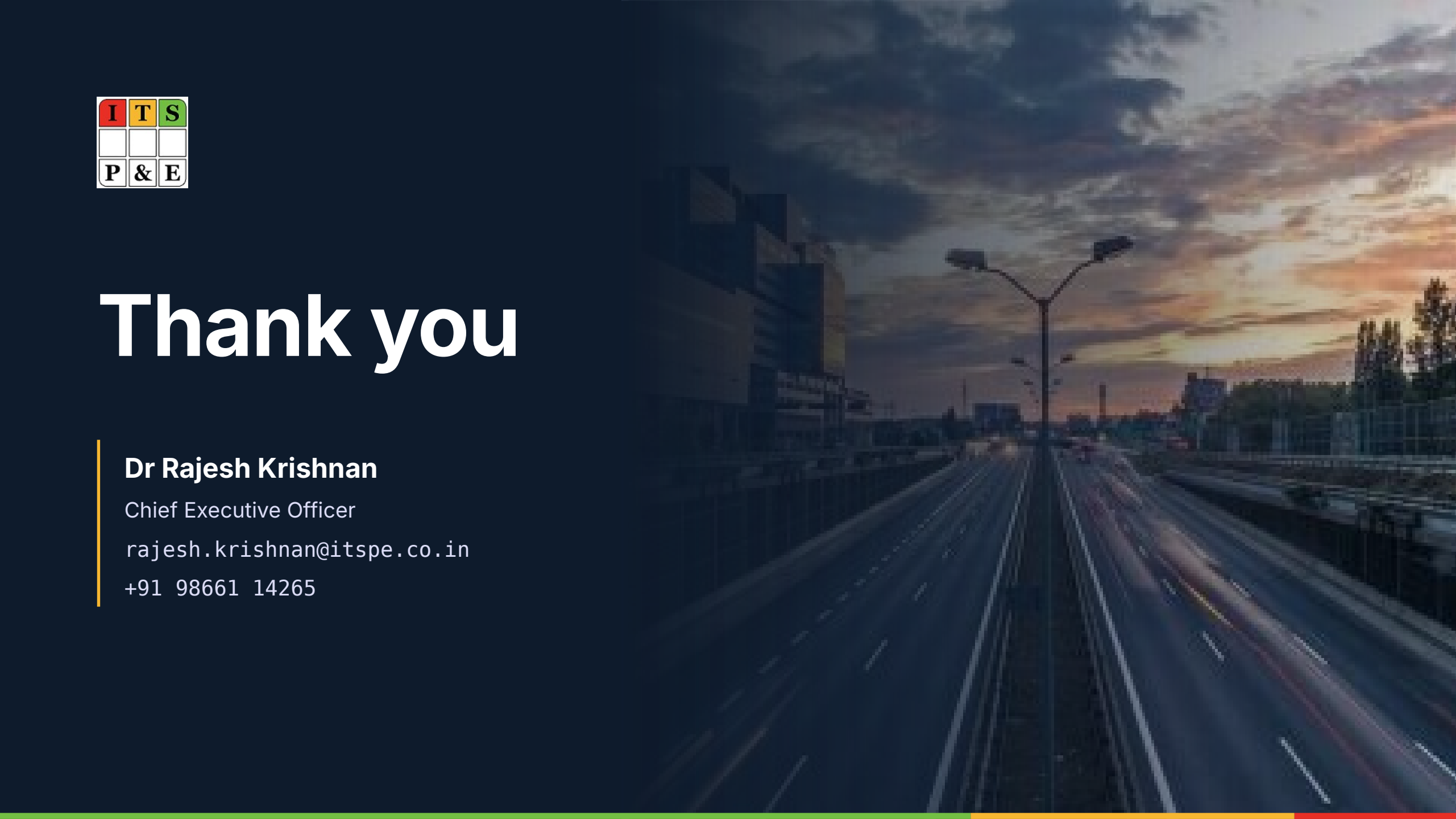
We don't have any certifications

What operators need

A high-level grasp of the theory, and practical knowledge of operating traffic control and management systems professionally.

Who should lead

ITS India Forum should take the lead on it.



Thank you

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