

## 15-day Certification Course on

# "ROAD SAFETY AUDIT AND OTHER ROAD SAFETY RELATED ASPECTS"

for

Road Safety Auditors / Highway Engineers / Traffic Engineers / Transportation Planners / Students

(April 6 - 20, 2020)

Organised by

**CSIR - Central Road Research Institute, New Delhi - 25**



### About the Institute:



CSIR - Central Road Research Institute (CRRI), a premier national laboratory established in 1952, a constituent of Council of Scientific and Industrial Research (CSIR) is engaged in carrying out research and development projects on design, construction and maintenance of roads and runways, traffic and transportation planning of mega and medium cities, Road Safety, Traffic Engineering and Transportation Planning, Management of roads in different terrains, Improvement of marginal materials, Utilization of industrial waste in road construction, Landslide control, Ground improvements Environmental pollution, and analysis & design, wind, fatigue, corrosion studies, performance monitoring/evaluation, service life assessment and rehabilitation of highway & railway bridges. The institute provides technical and consultancy services to various user organizations in India and abroad.

For capacity building of human resources in the area of highway Engineering to undertake and execute roads and runway projects, Institute has the competence to organize National & International Training Programmes continuing education courses since 1952 to disseminate the R&D finding to the masses.

### About the Course:

This course is specially designed and offered by this institute based on the many requests received from the practicing Engineers / Consultants / Student Interns to gain practical knowledge on Road Safety Audit, different aspects of road engineering and road safety. Further, considering the recent circular issued by the National Highways Authority of India (NHAI) vide circular no. NHAI/RSC/012/Empanelment/4231 dated 08/12/2016 aimed at enhancing the skill levels of practicing engineers, Faculty of Civil Engineering / Transportation Engineering and also to enhance the knowledge of the students graduating from Masters (Transportation / Highway Engineering) / Bachelors degree program in Civil Engineering stream. This 15-day course is structured to cover during the initial phase fundamentals of Traffic Engineering and safety followed by aspects / safety issues related to Pavement Engineering, Bridge and Geotechnical Engineering. Thereafter, detailed focus on Road Safety Audit (RSA) including trauma care would be taken up through 6 days of exposure to the conduct of Practical RSA including report preparation. These would cover techniques to be employed for various types of road facilities like Two lane roads, Multilane Highways, Urban Roads, Expressways, Hill Roads and associated intersections. Five such 15-day programs were successfully conducted during the year *i.e.* 2017 in May, November, December 2018 and April/May 2019 and November 2019 and thus a pool of 234 certified road safety auditors were created. These certified road safety auditors were successful in garnering more than 11,000 Kms of RSA work from National Highways Authority of India (NHAI), Ministry of Road Transport and Highways (MoRT&H) and other state Public Works Departments (PWD) primarily due to the above certification program. The topics envisaged to be covered under the theme of road safety are broadly given below:

- ✦ Global Road Safety and Road Safety in India
- ✦ Safe System Approach and Forgiving Roads
- ✦ Designing for Safety: Road Link Design

- ✚ Designing for Safety: Road Link Design and Junctions
- ✚ Planning for Road Network, Land Use & Environment for Road Safety
- ✚ Road Signs and Road Markings
- ✚ Speed and Hazard Management
- ✚ Speed Enforcement and Infrastructure Requirements
- ✚ Night Time Road Safety Audit
- ✚ Introduction to Road Safety Audit (RSA) Approach & Methodology
- ✚ Design Stage RSA - Theory, Practical - Case Study
- ✚ Construction Stage Road Safety Audit, Theory, Practical - Case Study
- ✚ Pre-Opening Stage Road Safety Audit, Theory, Practical - Case Study
- ✚ Existing Stage Road Safety Audit, Street Lighting & Traffic Signals
- ✚ Star Rating of Road Network Using iRAP
- ✚ Road Crash Investigation, Black Spot Identification and Remedial Measures
- ✚ Traffic Volume Studies, Speed and Delay Studies, Spot Speed Studies and Intersection Delay Studies
- ✚ Organizational Commitment towards Road Safety Audit
- ✚ First aid care and Trauma Care Centres
- ✚ Legislative provisions related to road safety in Motor Vehicle Act amendment – 2016 and other salient features
- ✚ Intelligent Transportation System for Highway Traffic Management

**Course Fee:**

The Course fee is Rs.88,500/- ( Rs.75,000 + 13,500 GST( 18 % GST)) per delegate and Rs. 47,200/- (Rs.40,000 + 7,200 GST( 18 % GST)) for Student Interns. Limited accommodation is available to the delegates at the CSIR - CRRRI Guest House on 'First Come First Service Basis' on payment of nominal fee. Course fee shall be paid through only online in favour of Central Road Research Institute, New Delhi, payable at State Bank of India, New Delhi, A/c No.30268867237; MICR No.110002445; IFSC Code : SBIN0010442 & GST No. 07AAATC2716R1ZH. Fee once paid cannot be refunded back. **Further, the payment details made through online transfer shall be sent to the following address through E-mail addresses for completing the registration process:**

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CSIR-Central Road Research Institute  
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**NOMINATION FORM**

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

Company GST Number : \_\_\_\_\_

Contact Number: \_\_\_\_\_

Email: \_\_\_\_\_

Guest House Requirement : Yes/No \_\_\_\_\_

Educational Qualifications \_\_\_\_\_

Details of Online payment:

Reference number: \_\_\_\_\_

Name of Bank, Amount Transferred & Date of Transfer: \_\_\_\_\_

