



MoHUA

सड़क परिवहन और राजमार्ग मंत्रालय
MINISTRY OF ROAD TRANSPORT & HIGHWAYS

MoRTH



NHAI

Independent Council for
Road Safety International

ICoRSI



WHO, SEARO

International Course on Road Safety Audit, Road Construction Safety, Biomechanics and Crashworthiness

IIT Delhi, India

22nd November - 10th December 2021

Final Programme

COMMON FOR ALL PARTICIPANTS (ONLINE MODULE)

| Day:1 (Monday) 22-11-2021 (10.00 – 13:30) | | |
|---|--|--|
| 10.00 -11.00 | Welcome Introduction Course details Introduction of participants Introduction to IRC Safety Audit Certification | Prof. S.G. Deshmukh, Deputy Director(O), IIT Delhi Prof. G. Tiwari, Head, TRIP-C Prof. K.N. Jha, Coordinator Mr. S.K. Nirmal, Secretary General IRC |
| 11.00-11:30 | RTI in SEAR Countries | P.D. Nayar, SEAR, WHO |
| 11.45-13.30 | Road Traffic Injury National Trends and Transport safety principles | Geetam Tiwari |
| Day: 2 (Tuesday) 23-11-2021 (10:00 – 13:30) | | |
| 10.00-11.30 | Road Traffic Injury as a Public Health Problem | Kavi Bhalla |
| 11.45-13.30 | Sustainable Transport paradigm | Hermann Knoflacher |
| Day:3 (Wednesday) 24-11-2021 (10:00 – 13:30) | | |
| 10.00-11.30 | International Road Safety Comparison | Kavi Bhalla |
| 11.45-13.30 | Traffic Safety Legislations /MVA | Girish Agrawal |
| Day: 4 (Thursday) 25-11-2021 (10:00 – 13:30) | | |
| 10.00-11.30 | Accident and Injury Data Recording | Rahul Goel |
| 11.45–13.30 | Human Tolerance to Injuries and Road Safety & Safer Vehicle Design Techniques | Sudipto Mukherjee |



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| Day:5 (Friday) 26-11-2021 (14:00 – 17:30) | | |
| 14.00-15.30 | Enforcement and Road Safety | Rahul Goel |
| 16.00-17.30 | Statistical Issues in road safety | Shrikant Bangdiwala |
| Day:6 (Monday) 29-11-2021 (14:00 – 17:30) | | |
| 14.00-15.30 | Speed and Safety | K. R. Rao |
| 15.45-17:30 | Risk Assessment Models | Sylvain Lassare |
| Day:7 (Tuesday) 30-11-2021 (14:00 – 17:30) | | |
| 14.00-15.00 | Urban Road Design | Geetam Tiwari |
| 15.00-16.00 | Road Safety in Urban Areas | Herman Knoflacher |
| 16.00-17.30 | Evaluation of Safety Measures | Shrikant Bangdiwala |
| Day:8 (Wednesday) 01-12-2021 (14:00 – 17:30) | | |
| 14.00-15.30 | Highway Safety Standards (Blackspot Inspection)/ | Rahul Goel |
| 15:30-16:00 | Safety Film | |
| 16:00-17.30 | Highway Construction Zone Safety | KN Jha |
| Day:9 (Thursday) 02-12-2021 (14:00 – 17:30) | | |
| 14.00-15.30 | Road Accident Costing | Sourabh Paul /DIMTS |
| 15.45-17.30 | Prehospital care | Mathew Varghese |
| Day:10 (Friday) 03-12-2021 (14:00 – 17:30) | | |
| 14.00-15.30 | Hill Road Safety | Girish Agrawal/KN Jha |
| 15.30-17.30 | Traffic Calming & VRU Safety | Geetam Tiwari |
| Day:11 (Monday) 06-12-2021 (10:00 – 14:00) | | |
| 10.00-11.30 | Highway Acts + Road Side Hazard Management | SSLN Sarma |
| 11.30-13.00 | Variables Influencing Driver Speed | Sylvain Lassare |
| 13:00-14:00 | ITS and Traffic Safety | Nezamuddin |
| | | Discussion |

Separate link will be provided for Module 3B from Day 11 (06.12.2021)



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IN PERSON MODULE

Venue: IRD Conference Room, 7th Floor, Main Building, IIT Delhi.

| | | |
|--|---|------------------------------|
| Day:12 (Tuesday) 07-12-2021 | | |
| 09:00-10:00 | IRAP | Jignesh (TBC) |
| 10.00-11.00 | Road Safety Audit Preparation | All Faculty and Participants |
| 11.00-13.30 | Field Audit | |
| 14.00-17.00 | Safety Audit Findings and report preparation | |
| Day:13 (Wednesday) 08-12-2021 | | |
| 10.00-17.30 | Highway Field Audit | |
| Day: 14 (Thursday) 09-12-2021 For Certificate Course Only | | |
| 09.30-11.30 | Exam 1 | |
| 12.00-13.30 | Exam 2 | |
| 13.30-14.30 | LUNCH | |
| 14.30-17.30 | Audit Report Preparation | |
| Day: 15 (Friday) 10-12-2021 (All participants) | | |
| 10.00-12.00 | Audit report presentation | |
| 13.00-14.30 | LUNCH | |
| 14.30-15.00 | Audit summary presentation | |
| 15.00 – 15.30 | Feedback and discussion | |
| 15.30 – 15.45 | Valedictory session - Prof. Sanjay Mitra, Member, Supreme Course Committee on Road Safety | |
| 15.45 - | Certificate distribution | |
| | TEA | |



Separate online link will be provided for Module 3B from Day 11

| Day:11 (Monday) 6-12-2021 (Online) | | |
|---|------------------------------------|---------------|
| 10.00-11.30 | Zero Accident Techniques | Amarjit Singh |
| 11.45 – 13.15 | Construction labour related issues | Dunu Roy |

| Day:12 (Tuesday) 7-12-2021 | | |
|-----------------------------------|------------------------------------|---------------|
| 10.00-11.30 | Why Injuries Occur in Construction | Amarjit Singh |
| 11:30-13:00 | Accidents in Construction industry | K N JHA |

| Day:13 (Wednesday) 8-12-2021 | | |
|-------------------------------------|---|--------------|
| 10:00-11:30 | Safety and Reliability in construction projects | Ravi Shankar |
| 11.30 – 13.00 | Risk assessment in construction projects | Dilip Patel |

| Day:14 (Thursday) 9-12-2021 | | |
|------------------------------------|---|---------------|
| 10:00-11:30 | Tort Law, Liability, and Standard of Care | Amarjit Singh |
| 11:30-13:00 | Temporary Structures Safety and Design Issues | K N Jha |

| Day:15(Friday) 10-12-2021 - | | |
|------------------------------------|---|---------------|
| 10:00-11.30 | Safety Incentives | Amarjit Singh |
| 11:30-13:00 | Failure cases in construction | K.N.Jha |
| 13:00-14:00 | Lunch | |
| 14:00-17:30 | Safety issues related to formwork in multistoreyed building construction, Presentation AND QUIZ ON II-B | K N Jha |



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WHO, SEARO

Amarjit Singh - Professor of Civil and Environmental Engineering, University of Hawaii at Manoa, USA.

Dilip Patel- Department of Civil Engineering- SVNIT Surat

Dunu Roy, Director, Hazard Centre, New Delhi

K N JHA- Department of Civil Engineering- IIT Delhi

Ravi Shankar- Department of Management Studies- IIT Delhi