



INTERNATIONAL COURSE ON ROAD SAFETY, ROAD SAFETY AUDIT, VEHICLE SAFETY TECHNOLOGY AND PRE HOSPITAL CARE

05 – 19 December 2022

Venue:
IRD Conference Hall
Main Building, IIT Delhi

Final Programme

<http://tripp.iitd.ernet.in/publication/coursekit>

Day:1 – 05.12.2022 (Monday)		
09:00 – 09:30	Registration	
09.30 -10.00	Welcome Introduction Course Details Introduction of participants	
10.00 – 11:00	Road Safety in SEARO Countries	Dr. Tashi Togbay,
11:00 – 11:30	TEA	
11:30 – 13:00	Road Traffic Injury National Trends and Transport safety principles	Geetam Tiwari
13.00 – 14:30	LUNCH BREAK	
14:30 – 16:00	Traffic Safety Legislations / MVA	Girish Agrawal
15:30 – 16:00	TEA	
16:00 – 17:30	Sustainable Transport Paradigm	Hermann Knoflacher
End of day 1		

Day:2 – 06.12.2022 (Tuesday)		
09:30 – 11:00	International Road Safety Comparison	Kavi Bhalla
11:00 – 11:30	TEA	
11:30 – 13:00	Speed and Safety	K R Rao
13:00 – 14:00	LUNCH BREAK	
14:00 – 15:30	Enforcement and Road Safety	Rahul Goel
15:30 – 16:00	TEA	
16:00 – 17:30	Variables Influencing Driver Speed	Sylvain Lassare
End of day 2		



MODULE 1A and 1B : Road Safety & Road Safety Audit

Day:3 – 07.12.2022(Wednesday)		
09:30 – 11:00	Road Safety Data	Geetam Tiwari
11:00 – 11:30	TEA	
11:30 – 13:00	Road Safety Data	Rahul Goel
13:00 – 14:00	LUNCH BREAK	
14:00 – 15:30	Statistical Issues in Road Safety	Shrikant Bangdiwala
15:30 – 16:00 -	TEA	
16:00 – 17:30	Risk Assessment Models	Sylvain Lassare
End of day 3		

Day:4 - 08.12.2022 (Thursday)		
09:30 – 11:00	Road Safety in Urban Areas	Herman Knoflachner
11:00 – 11:30	TEA	
11:30 – 13:00	Urban Junction Design	Sewaram
13:00 - 14:00	LUNCH BREAK	
14: 00 - 15:30	Urban Junction Operation	Vijay Kovvali
15:30 – 16:00	TEA	
16:00 – 17:30	Work Zone safety – case studies	K R Rao
End of Day 4		

Day: 5 – 09.12.2022 (Friday)		
09:30 – 11:00	Traffic Calming & VRU Safety/Urban Roads	Geetam Tiwari
11:00 – 11:30	TEA	
11:30 – 13:00	Evaluation of Safety Measures	Shrikant Bangdiwala
13:00 – 14:00	LUNCH BREAK	
14:00 - 15:30	Highway Safety Standards (Blackspot Inspection)	Rahul Goel
15:30 – 16:00	TEA	
16:00 – 17:00	Hill Road Safety	Girish Agrawal
17:00 – 18:00	Pedestrian Safety in Urban Area	Andres Villaveces
18:00		
End of Day 5		

**Day:6 - 10.12.2022 (Saturday) COMMON TO ALL MODULES**

09:30 – 11:00	Vehicle Safety and Its Impact on Road Deaths	Kavi Bhalla
11:00 – 11:30	TEA	
11:30 – 13:00	ITS and Traffic Safety	Sai Chand
13:00 – 14:00	LUNCH BREAK	
14:00 – 15:30	Pre-Hospital Care	Amit Gupta
15:30 – 16:00	TEA	
16:00 – 17:30	Human Tolerance to Injuries and Road Safety & Safer Vehicle Design Techniques	Sudipto Mukherjee
17:30 – 18:00	Video Booby Traps	
	End of Day 6	
19:30	COURSE DINNER	

Day 7 - 11.12.2022 – (Sunday) SELF STUDY DAY**MODULE 1A AND 1B****Day:8 – 12.12.2022 (Monday)**

09:30 – 10:30	Signage and Markings (Highways / Urban)	Vijay Kovvali
10:30 – 11:30	Highway Acts & Road Side Hazard Management	SSLN Sarma
11:30 – 12:00	TEA	
12:00 – 13:00	IRAP	Jigesh Bhavsar
13:00 – 14:00	LUNCH BREAK	
14:00 – 15:30	Blackspot Identification	Jacob George
	TEA	
16:00 – 17:30	Design Stage RSA: Case Study Presentation	S.K. Popli
	End of Day 8	



Day: 9 – 13.12.2022 (Tuesday)

Session : Design Stage RSA: Case Study Presentation

09:30 – 11:00	Audit Checklists – Urban	SSLN Sarma / V Kovvali / L. Bisht
11:00 – 11:30	TEA	
11:30 – 13:00	Urban Road Safety Audit	Field Visit
13:00 – 14:00	LUNCH BREAK	
14:00 – 15:30	Urban Road Safety Audit Report Preparation	All Participants
15:30 – 16:00	TEA	
16:00 – 17:30	RSA – Urban Presentation	All participants
17:30	End of Day 9	

Day:10 - 14-12-2022 (Wednesday)

10.00 – 13:00	Visit to Sonapat Campus for Road Safety Audit	
13:00 – 14:00	LUNCH BREAK	
15:00 – 16:00	Field Audit Preparation	All Faculty
16:00 – 16:30	TEA	
17:30 – 19:00	Night time Road Safety Audit	
19:00	DINNER	
	End of Day 10	

Day:11 - 15.12.2022 (Thursday)

07:00- 9:30	Site visit for Conduct of Existing Stage Road Safety Audit (RSA) / Road Safety Inspection (RSI) and construction Stage RSA	
09:30 – 10:00	Breakfast / Tea	
10:00 – 13:00	Audit Report Preparation	
13:00 – 14:00	LUNCH BREAK	
14:00 – 15:30	Report Preparation (Highway Audit)	
15:30 – 16:00	TEA	
16:00	Return to IIT Delhi	
	End of Day 11	

**Day: 12 –16.12.2022 (Friday)**

09:30 – 11:00	Road Accident Costing	Saurabh Paul
11:00 – 11:30	TEA	
11:30 – 13:00	Final Presentation (Urban Audit)	All Participants
13:00 – 14:00	LUNCH BREAK	
14:00 – 17:00	Final Presentation (Highway Audit)	All Participants
17:00	TEA	
	End of Day 12	
	CONCLUDING DAY FOR MODULE 1A (Road Safety Audit without IRC Certificate)	

Day: 13 - 17-12-2022 For Certificate Course Only (Saturday)

09:30 – 11:30	Exam 1	
11:30 – 12:00	TEA	
12:00 – 13:00	Exam 2	
13.00 – 14:00	LUNCH	
14:00 – 15:30	Road Safety Audit in the direction of Supreme Court Committee – outcome report	D B.Srinivas, DIMTS
15:30 -	TEA	
	End of Day 13	

Day:14 (Sunday) 18.12.2022**SELF STUDY DAY (FREE DAY)****Day 15 – (Monday) 19.12.2022****Session Interaction and Closing Ceremony**

09:30 – 11:00	Course Summary / Course Evaluation Feedback
11:00 – 11:30	TEA
11:30 – 13:00	Interaction with Participants Certificate distribution
13:00 – 14:30	LUNCH BREAK
14:30 – 15:00	
	End of Day 15



MODULE II : Vehicle Safety Technology

Day: 8 (Monday) 12-12-2022 Venue : Room MS 901, Main Building, IITD		
09:30-10:00	Introduction to course and history	Kavi Bhalla
10:00-11:00	Motor vehicle safety program evaluation	Yves Page/Kavi Bhalla
11:00-11:30	Tea Break	
11:30-13:00	Extremity injuries	S. Mukherjee
13:00-14:00	Lunch Break	
14:00-15:30	Head and Neck Injuries	K. Brolin
15:30 – 16:00	Tea Break	
16:00 – 17:30	Vehicle dynamics	Husain Kanchwala
	End of Day	

Day: 9 (Tuesday) 13-12-2022 Venue : Room MS 901, Main Building, IITD		
9.30-11.00	Advance Driver Assistance Systems (ADAS)	Yves Page/ Husain Kanchwala
11:00 – 11:30	TEA Break	
11:30 – 13:00	Advance Driver Assistance Systems (ADAS - 2)	Yves Page/ Husain Kanchwala
13:00 – 14:00	Lunch Break	
14:00 – 15:30	Human Body Modelling	K. Brolin
15:30 – 16:00	TEA Break	
16:00 – 17:30	Restraint Systems: Child Seat	K. Brolin
17:00	Tea	
	End of Day	

Day:10 (Wednesday) 14-12-2022 Venue : Room MS 901, Main Building, IITD		
09:30 – 11:00	Helmet Safety	P Mahajan
11:00 – 11:30	Tea Break	
11:30 – 13:00	Pedestrian and Two-wheelers Safety	S. Mukherjee
13:00 – 14:00	Lunch Break	
14:00 – 15:30	Crash Reconstruction	Yves Page
15:30 – 16:00	Tea Break	
16:00 – 17:30	Vehicle Testing	NATRAX Indore
	End of Day	



MODULE III : Pre-Hospital Care

Day: 1 (Thursday) 08-12-2022 Venue : Room MS 901 Main Building, IITD		
09:30-10:30	Pre-hospital Care	Mathew Varghese
13:00-11.30	Ambulance Design Concept	Mathew Varghese
11.30-12:00	Tea Break	
12:00-13.00	Abbreviated Injury Scare & Injury Severity Scale	Mathew Varghese
13.00-14.00	Lunch Break	
14:00-15:30	Injury Statistics	Shrikant Bangdiwala
15:30-17.00	Crash Data Trial – Generations of Evidence	Ian Roberts
	Tea Break	
	End of Day 1	

Day: 2 (Friday) 09-12-2022 Venue : Room MS 901, Main Building, IITD		
09.30 – 11:00	Trauma System	Amit Gupta
11:00 – 11:30	TEA Break	
11:30 – 13:00	Trauma Care in Hospitals	Subodh Kumar
13:00 – 14:00	Lunch Break	
14:00 – 15:30	Emergency Care and Spinal Injury	H S Chabra
15:30 – 16:30	Challenges in Standalone Trauma Care	Sumit Sural
16:30 – 17:30	EGM and Prehospital Care	Mathew Varghese
17:00	Tea	
	End of Day 2	