

**Report on**

**INTERNATIONAL COURSE ON  
ROAD SAFETY AUDIT AND  
ROAD CONSTRUCTION SAFETY**

**22 November - 10 December 2021**

**Course Coordinators**

**Geetam Tiwari  
K Ramachandra Rao  
K.N. Jha**

**2021**



TRIPC CENTRE, INDIAN INSTITUTE OF TECHNOLOGY DELHI;  
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS, INDIA  
MINISTRY OF HOUSING AND URBAN AFFAIRS, INDIA  
INDEPENDENT COUNCIL FOR ROAD SAFETY  
INTERNATIONAL (ICORSI)  
NATIONAL HIGHWAY AUTHORITY OF INDIA  
WORLD HEALTH ORGANISATION

## List of Contents

Background .....	1
Objectives .....	1
Course Programme .....	3
Course Evaluation Form .....	7
Evaluation Results .....	8
Course Participants List .....	11
List of Faculty .....	18
Course Certificate .....	20
Group Photograph.....	21

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

## Background

An International Course on Road Safety Audit, Road Construction Safety, Biomechanics and Crashworthiness was organised by Transportation Research & Injury Prevention Centre (TRIP Centre), Indian Institute of Technology, Delhi, on 22 November – 10 December 2021. The course was supported by the Ministry of Road Transport and Highway, Govt. of India, Ministry of Housing and Urban Affairs, Govt. of India, National Highway Authority of India, Independent Council for Road Safety International (ICoRSI) and South East Asia Region, World Health Organisation. The details are as follows.

## Course Coordinators

Prof. Geetam Tiwari  
Prof. K.R. Rao  
Prof. K.N. Jha  
Prof. Puneet Mahajan

## Location

Indian Institute of Technology Delhi, New Delhi, India

## Period

22 November – 10 December 2021

## Purpose

Traffic crashes and injuries are serious problems both in less and highly industrialized countries. More years of working life are lost due to crash injuries in both groups of nations than that due to cardio vascular diseases and cancer. It is important that more professionals become aware of the importance and possibilities of injury control, and the basic principles regarding the same.

## Target group

Traffic and road engineers, behavioral scientists, mechanical and automotive engineers, law enforcers and police officers.

## Objectives

This fifteen days Course targeted to bring together professionals working in the area of transportation planning, safety promotion, biomechanics of impact and vehicle

crashworthiness, road construction safety and acquaint them with state-of-the-art information. The course was especially designed for an interdisciplinary audience of traffic and road engineers, behavioural scientists, mechanical and automotive engineers, law enforcers, and police officers. It focussed to give a global perspective to the road safety problem. The course was divided into three modules. Module 1 was compulsory for all participants followed by three parallel sessions on Road Safety Audit, Road Construction Safety and Biomechanics and Crashworthiness.

The course contents were designed in such a manner so that by the end of the Course the participants should be aware of:

- The latest scientific knowledge regarding traffic planning, prevention of traffic accidents and injuries, and current advances in vehicle crashworthiness and restraint systems. crashworthiness and restraint systems
- Policies and methods which have been shown to be successful and those that have not worked in the past.

They should be able to:

- Improve or start their own programmes on traffic planning and road safety, design data collection systems and avoid pitfalls common in data analysis.
- Propose and implement road safety countermeasures.
- Provide inputs for local and national road safety policies.

#### Course structure

- **Week 1 & 2** : Course held with an option for online participation.
- **Week 3** : Required mandatory “in person” participation.
- Participants in the Road Safety Audit module joined course “in person” to fulfil the requirements to get a “Road Safety Auditors Certificate” as recommended by the IRC/MoRTH (submission of practical audit report and written exam).

#### Course Participants

A total of 84 participants including faculty attended the course out of which 6 participants represented 4 countries other than India.

#### Course Faculty

Prof. Geetam Tiwari	IIT Delhi, India
Prof. K.N. Jha	IIT Delhi, India
Prof. K.R. Rao	IIT Delhi, India
Prof. Nezamuddin	IIT Delhi, India
Dr. Rahul Goel	IIT Delhi, India
Prof. S.B. Paul	IIT Delhi, India
Prof. Sudipto Mukherjee	IIT Delhi, India
Prof. Ravi Shankar	IIT Delhi, India
Mr. A.K.(Dunu) Roy	Hazard Centre, India
Prof. Dilip Patel	SVNIT, Surat

Prof. Girish Agarwal	Shiv Nadar University, India
Mr. Jigesh N Bhavsar	ADB, iRAP, India
Dr. Mathew Varghese	St. Stephens Hospital, Delhi, India
Dr. P.D. Nayar	SEAR, WHO, India
Dr. Sadhu S L N Sarma	Safety Expert, India
Prof. Hermann Knoflacher	University of Technology, Vienna, Austria
Prof. Shrikant I Bangdiwala	McMaster University, Canada
Dr. Sylvain Lassarre	IFSTTAR, France
Prof. Amarjit Singh	University of Hawaii, USA
Prof. Kavi Bhalla	Bloomberg School of Public Health, USA

### Course Kit

1. Road Safety in India: Status Report 2020
2. World Report on Road Traffic Injury Prevention
3. Road Traffic Injury Prevention, Training Manual
4. Important Specifications From Various Codes For Safer Roads
5. Course presentation

### **Course Programme**

The course was delivered in two modules:

1. Road Safety Audit
2. Road Construction Safety

### **Module I: COMMON FOR ALL PARTICIPANTS (Online Module)**

<b>Day:1 (Monday) 22-11-2021 (10.00 – 13:30)</b>		
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-Centre  Prof. K.R Rao  Prof. K.N. Jha,  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

<b>Day: 2 (Tuesday) 23-11-2021 (10:00 – 13:30)</b>		
10.00-11.30	Road Traffic Injury as a Public Health Problem	Kavi Bhalla
11.45-13.30	Sustainable Transport paradigm	Hermann Knoflacher
<b>Day:3 (Wednesday) 24-11-2021 (10:00 – 13:30)</b>		
10.00-11.30	International Road Safety Comparison	Kavi Bhalla
11.45-13.30	Traffic Safety Legislations /MVA	Girish Agrawal
<b>Day: 4 (Thursday) 25-11-2021 (10:00 – 13:30)</b>		
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
<b>Day:5 (Friday) 26-11-2021 (14:00 – 17:30)</b>		
14.00-15.30	Enforcement and Road Safety	Rahul Goel
16.00-17.30	Statistical Issues in road safety	Shrikant Bangdiwala
<b>Day:6 (Monday) 29-11-2021 (14:00 – 17:30)</b>		
14.00-15.30	Speed and Safety	K. R. Rao
15.45-17:30	Risk Assessment Models	Sylvain Lassare
<b>Day:7 (Tuesday) 30-11-2021 (14:00 – 17:30)</b>		
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
<b>Day:8 (Wednesday) 01-12-2021 (14:00 – 17:30)</b>		
14.00-15.30	Highway Safety Standards (Blackspot Inspection)/	Rahul Goel
15:30-16:00	Safety Film	
16:00-17.30	Variables Influencing Driver Speed	Sylvain Lassare
<b>Day:9 (Thursday) 02-12-2021 (14:00 – 17:30)</b>		
14.00-15.30	Road Accident Costing	Sourabh Paul /DIMTS

15.45-17.30	Prehospital care	Mathew Varghese
<b>Day:10 (Friday) 03-12-2021 (14:00 – 17:30)</b>		
14.00-15.30	Traffic Calming & VRU Safety	Geetam Tiwari
15.30-17.30	ITS and Traffic Safety	Nezamuddin
<b>Day:11 (Monday) 06-12-2021 (10:00 – 14:00)</b>		
10.00-11.30	Highway Acts + Road Side Hazard Management	SSLN Sarma
11.30-13.00	Highway Construction Zone Safety	K.N. Jha
13:00 – 14:00	Hill Road Safety	Girish Agrawal/KN Jha

## IN PERSON MODULE

Venue: IRD Conference Room, 7<sup>th</sup> Floor, Main Building, IIT Delhi.

<b>Day:12 (Tuesday) 07-12-2021</b>		
09:00-10:00	IRAP	Jigesh
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	
<b>Day:13 (Wednesday) 08-12-2021</b>		
10.00-17.30	Highway Field Audit	
<b>Day: 14 (Thursday) 09-12-2021 For Certificate Course Only</b>		
09.30-11.30	Exam 1	
12.00-13.30	Exam 2	
13.30-14.30	<b>LUNCH</b>	
14.30-17.30	Audit Report Preparation	

<b>Day: 15 (Friday) 10-12-2021 (All participants)</b>	
10.00-12.00	Audit report presentation
12:00 – 12:30	Feedback and discussion
12:30 – 14:00	Valedictory session - Prof. Sanjay Mitra, Member, Supreme Course Committee on Road Safety
14.00-	<b>LUNCH</b>

### Road Construction Safety (Module 3B) from Day 11

<b>Day:11 (Monday) 6-12-2021 (Online)</b>		
10.00-11.30	Zero Accident Techniques	Amarjit Singh
11.45 – 13.15	Construction labour related issues	A K (Dunu) Roy
<b>Day:12 (Tuesday) 7-12-2021</b>		
10.00-11.30	Why Injuries Occur in Construction	Amarjit Singh
11:30-13:00	Accidents in Construction industry	K N JHA
<b>Day:13 (Wednesday) 8-12-2021</b>		
10:00-11:30	Safety and Reliability in construction projects	Ravi Shankar
11.30 – 13.00	Risk assessment in construction projects	Dilip Patel
<b>Day:14 (Thursday) 9-12-2021</b>		
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
<b>Day:15(Friday) 10-12-2021 -</b>		
10:00-11.30	Safety Incentives	Amarjit Singh
11:30-13:00	Failure cases in construction	K.N.Jha
13:00-14:00	<b>Lunch</b>	
14:00-17:30	Safety issues related to formwork in multistoreyed building construction, Presentation and Quiz	K N Jha



## Course Evaluation Form

The course was evaluated by participants as per the questions given below:

Please evaluate the CONTENT of the Course

1. How much of the material was new to you?

1	2	3	4	5	6
no new material					all new material

2. How difficult was it to understand the material?

1	2	3	4	5	6
extremely difficult to understand					very easy to understand

3. How useful will the information be to you in your job?

1	2	3	4	5	6
not at all useful					extremely useful

Additional comments about the CONTENT:

In addition to considering the TOPIC and CONTENT, we are interested in your view about HOW THE COURSE WAS CONDUCTED

4. How appropriate was the length of this course?

1	2	3	4	5	6
much too long					much too short

5. How useful were the presentations?

1	2	3	4	5	6
not at all useful					extremely useful

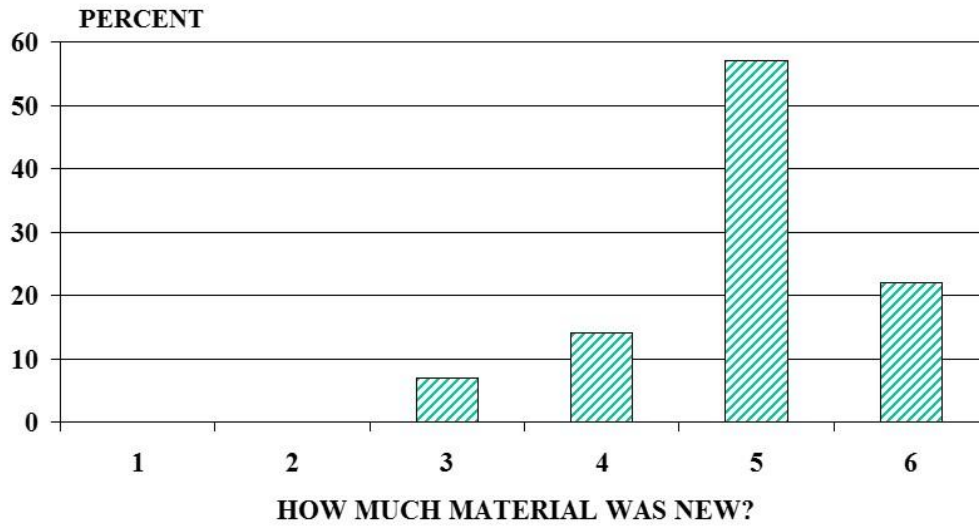
6. How useful were the resource materials?

1	2	3	4	5	6
not at all useful					extremely useful

Please give your comment on how such a course can be conducted better in the future (use reverse of the sheet if necessary)

## Evaluation Results

### INTERNATIONAL COURSE ON ROAD SAFETY AUDIT AND CONSTRUCTION SAFETY– Dec. 2021

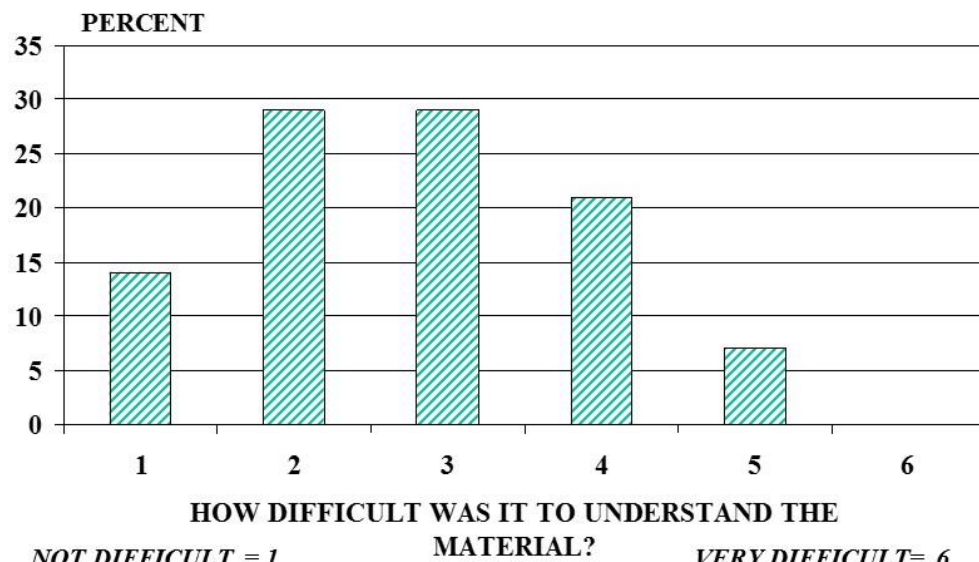


*NONE NEW = 1*

*ALL NEW = 6*

Q-1

### INTERNATIONAL COURSE ON ROAD SAFETY AUDIT AND CONSTRUCTION SAFETY– Dec. 2021

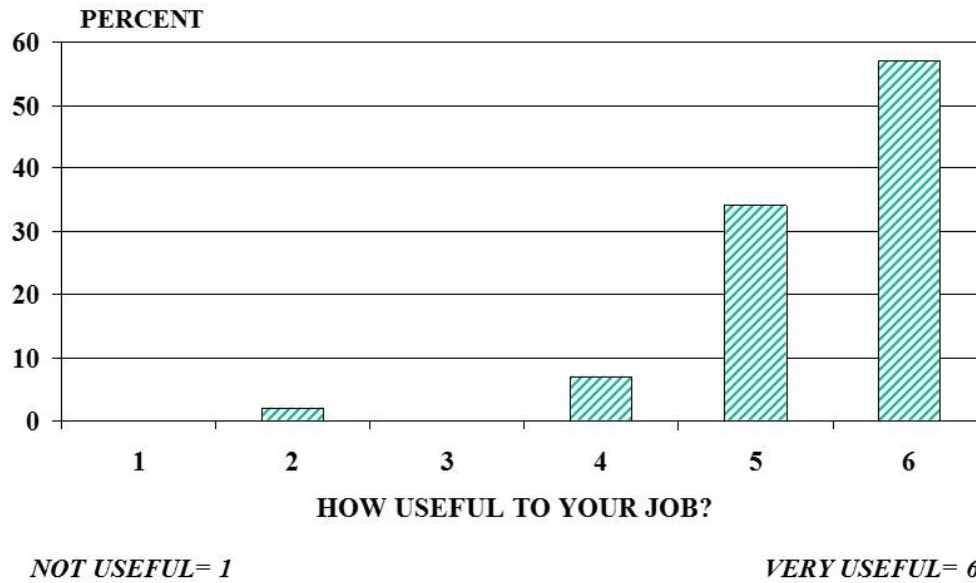


*NOT DIFFICULT = 1*

*VERY DIFFICULT = 6*

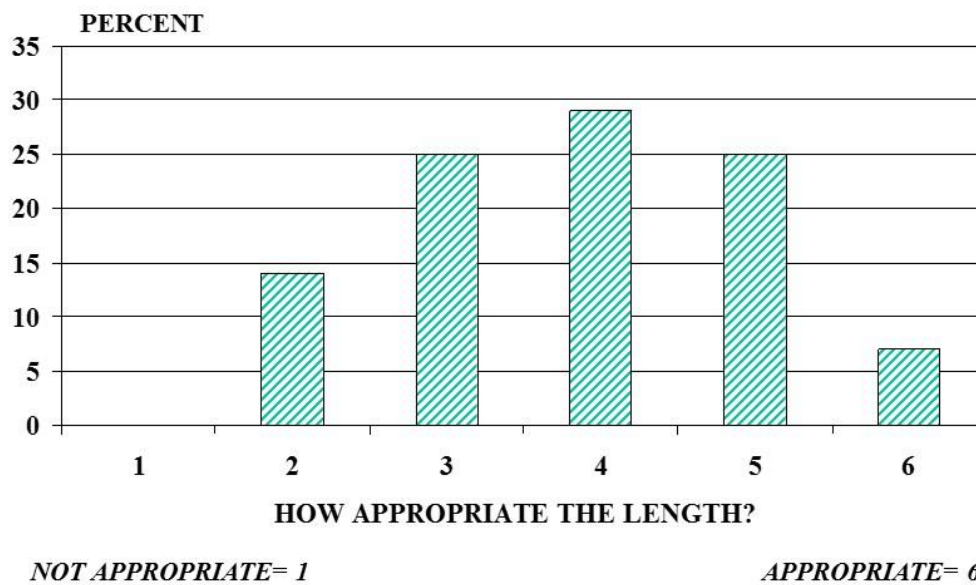
Q-2

**INTERNATIONAL COURSE ON ROAD SAFETY  
AUDIT AND CONSTRUCTION SAFETY– Dec. 2021**



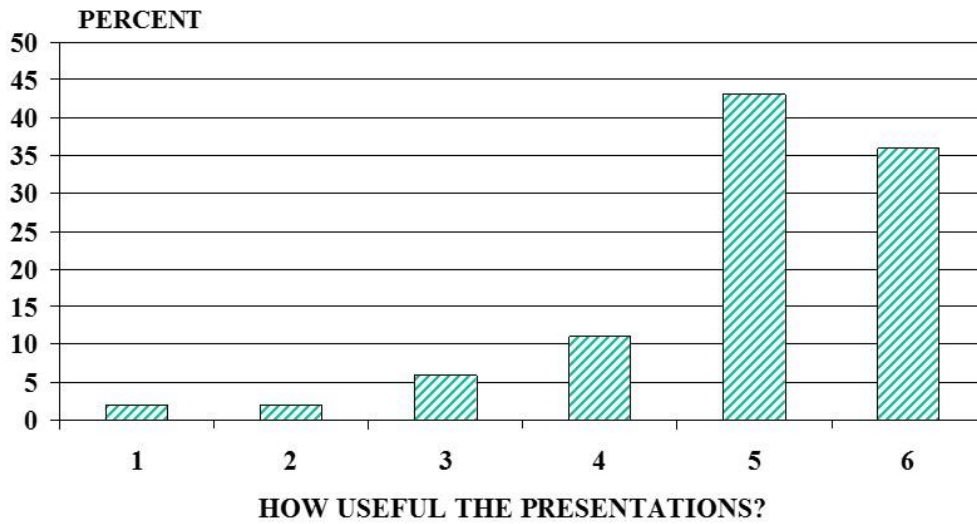
Q-3

**INTERNATIONAL COURSE ON ROAD SAFETY  
AUDIT AND CONSTRUCTION SAFETY– Dec. 2021**



Q-4

**INTERNATIONAL COURSE ON ROAD SAFETY  
AUDIT AND CONSTRUCTION SAFETY– Dec. 2021**

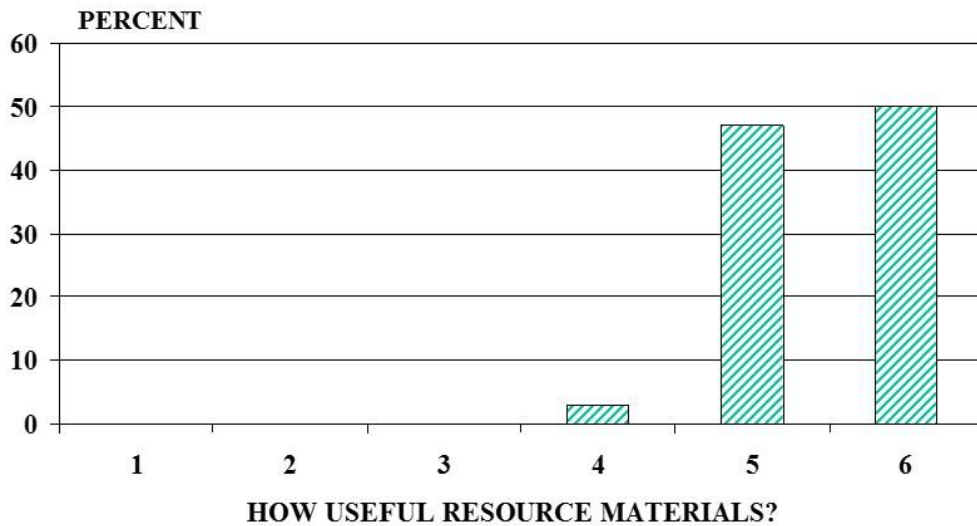


*NOT USEFUL= 1*

*VERY USEFUL= 6*

Q-5

**INTERNATIONAL COURSE ON ROAD SAFETY  
AUDIT AND CONSTRUCTION SAFETY– Dec. 2021**



*NOT USEFUL = 1*

*VERY USEFUL= 6*

Q-6

## Course Participants List

INTERNATIONAL COURSE ON ROAD SAFETY AUDIT, ROAD CONSTRUCTION  
SAFETY, BIOMECHANICS AND CRASHWORTHINESS  
22 November - 10 December 2021, IIT Delhi, India

Mr. Aman Ahlawat  
Student  
Indian Institute of Technology, Delhi  
Civil Engineering Department  
New Delhi 110016 (India)  
Phone (O):  
Mobile: 9910 974276  
Email: Aman.Ahlawat@civil.iitd.ac.in

Mr. Priyanshu Aman  
Research Scholar  
Indian Institute of Technology, Delhi  
Civil Engineering Department  
New Delhi 110016 (India)  
Phone (O):  
Mobile: 7065678934  
Email: priyanshu.aman@civil.iitd.ac.in

Mr. K.B. Anithasree  
Old no. 25, New no.67  
Aziz Mulk, second street  
Chennai 600006 (India)  
Phone (O):  
Mobile: 9444 785732  
Email: mdsassociates68@gmail.com

Mr. Kumar Avinav  
Executive Engineer (Civ)  
Border Road Organization  
Brahmank project  
(India)  
Phone (O):  
Mobile: 9436544075  
Email: kravnv1511@gmail.com

Mr. Sajimsha B  
Assistant Motor Vehicle Inspector  
RTO (E) Pathanamthitta  
Nizam Manzil, Pulimkukku, Kunnicoode  
Kollam 691508 (India )  
Phone (O): 9446923233  
Mobile: 8075694138  
Email: sajimshah2010@gmail.com

Mr. Dhananjay Kumar Bampat  
Superintendent Engineer  
Training and testing research Institute  
Road construction department  
Bihar (India )  
Phone (O): 0612-3550771  
Mobile: 9470001360;8340445321  
Email: bampatdk@gmail.com

Mr. Shubham Chitransh  
Student  
Madhav Institute of Technology and Science,  
BL-128, Deen Dayal Nagar NPH-1st MDA  
Colony, Moradabad  
Gwalior (India)  
Phone (O): 91-9411611545  
Mobile: 91-9690145671  
Email: shubhamchitransh0007@gmail.com

Mr. Aneesh Kumar G  
Motor Vehicle Inspector  
RTO (E) Kottayam  
Vengavilaveedu, Panavelly, PO Kottarakara  
Kollam (India )  
Phone (O): 9496470026  
Mobile: 9188961242  
Email: kganeesh@gmail.com

Ms. Purva Goel  
Architect  
Sandeep Gandhi Architects  
6151/8, D6 Vasant kunj, Santushti Apartment,  
New Delhi 110070 (India)  
Phone (O): 9755244872  
Mobile: 9999350426  
Email: sga.purvagoel@gmail.com

Mr. Ashish Goyal  
Lt. Col.  
Border Road Organisation  
760 BRTF/Beacon (India)  
Phone (O):  
Mobile: 8941937101  
Email: er-ashu@yahoo.com

Mr. Pious Guit  
Assistant Motor Vehicle Inspector  
RTO (E) Thrissur  
Kundukulamhouse, Evenoor Road, Cheroor  
Thrissur 680008 (India )  
Phone (O): 8891460043  
Mobile: 9188961180  
Email: piousguit@gmail.com

Mr. Sandeep Gupta  
Superintending Engineer (Civ)  
Board Road Organisation  
Arunank project  
(India)  
Phone (O):  
Mobile: 9910057251  
Email: bro-756brtf@nic.in

Mr. Rohit Gupta  
Executive Engineer (Civ)  
Border Road Organisation  
Sampark project  
New Delhi (India)  
Phone (O):  
Mobile: 7470393346  
Email: rohit.sgsits@gmail.com

Mr. Rishi Gupta  
Executive Engineer (Civ)  
Border Road Organisation  
Projects / Units - HQ CE(P)/ Shivalik  
(India)  
Phone (O): 9131813932  
Mobile: 9764678674  
Email: rishi1407@gmail.com

Ms. Purva Gupta  
Research Scholar  
Indian Institute of Technology, Delhi  
New Delhi 110016 (India)  
Phone (O):  
Mobile:  
Email: purvagupta2010@gmail.com

Ms. Sakshi Gupta  
Student  
Indian Institute of Technology, Delhi  
New Delhi 110016 (India)  
Phone (O):  
Mobile: 91-9958736329  
Email: sg.structures18@gmail.com

Mr. Harshil Halvadia  
Student  
Sardar Vallabhabhai National Institute of  
Technology  
Surat 395007 (India)  
Phone (O):  
Mobile: 9924133664  
Email: p20ct019@ced.svnit.ac.in

Mr. Vijay Jogdand  
Executive Engineer (Civ)  
Border Road Organisation  
Projects / Units - 95 RCC/45 BRTF/Chetak  
(India)  
Phone (O):  
Mobile: 9530942672  
Email: vrjogdand@gmail.com

Mr. Bineesh Kumar K M  
Motor Vehicle Inspector  
RTO (E) Alappuzha  
Kuttathara House, Konam, Palluruthy  
Ernakulam (India )  
Phone (O): 9496809716  
Mobile: 9188961236  
Email: bineeshkumarmk2014@gmail.com

Mr. Premarajan K V  
Motor Vehicle Inspector  
RTO (E) Kannur  
Kozhummalveedu, Peralalam, Kozhumal  
Kannur 670521 (India )  
Phone (O): 9447284664  
Mobile: 9188961291  
Email: premarajankv@gmail.com

Mr. Ravindranadh Chowdary Kamma  
Indian Institute of Technology, Delhi  
Flat no. 402, Padmavathi Icon, Pragathi  
Nagar, Hyderabad, Telangana, 500 090  
Telangana (India )  
Phone (O):  
Mobile: 9038 645481  
Email: krnchowdary@gmail.com

Mr. Ramji K Karan  
Motor Vehicle Inspector  
RTO (E) Trivandrum  
Ram Nivas, Ambalam Kunnu, Nettayam  
Kollam 691537 (India )  
Phone (O): 8589800680  
Mobile: 9188961218  
Email: ramji.karunakaran@gmail.com

Mr. Mohammed Kaviraj  
Assistant Motor Vehicle Inspector  
RTO (E) Idukki  
Jeeva, Anappara, Pathyanathitta  
Pathyanathitta 689645 (India )  
Phone (O): 9961358906  
Mobile: 9188961137  
Email: kavirajannizer@gmail.com

Mr. Chenchumurali Krishna  
Student  
Indian Institute of Technology, Delhi  
41-838C, A-Block A-1 New 48 line police  
quarters, Near Old Bus stand Kurnool  
Andhra Pradesh (India )  
Phone (O):  
Mobile:  
Email: cvmurali21@gmail.com

Mr. Parveen Kumar  
Research Scholar  
Indian Institute of Technology, Delhi  
Satpura Hostel, IIT Delhi Campus.\nDelhi 110016 (India)  
Phone (O):  
Mobile: 9034733479  
Email: parveen.kumar@tripp.iitd.ac.in

Mr. Subodh Kumar  
Executive Engineer (Civ)  
Border Road Organisation  
Project / Unit - 758 BRTF / Swastik  
(India)  
Phone (O):  
Mobile: 7051581889  
Email: sskr44@gmail.com

Mr. Abhishek Kumar  
Executive Engineer (Civ)  
Border Road Organisation  
56RCC/Beacon  
(India)  
Phone (O):  
Mobile: 9419984988  
Email: mavericabhi@gmail.com

Mr. Vithin Kumar  
Motor Vehicle Inspector  
RTO (E) Kasaragod  
Chonuparambil House, 10/1010 Amaravathy  
Kochi 682001 (India )  
Phone (O): 9074069280  
Mobile: 9495218531  
Email: vithinkumarcs@gmail.com

Mr. Vishal Lad  
PhD Research Scholar  
Sardar Vallabhbhai National Institute of  
Technology  
AT & PO. Lilapore, Kumbharwad, Near  
Gujarati School,\nValsad  
Valsad 396001 (India)  
Phone (O):  
Mobile: +917359927424  
Email: vishallad2507@gmail.com

Mr. Murari Lal  
Executive Engineer (Civ)  
Border Road Organisation  
45 BRTF/Chetak  
(India)  
Phone (O):  
Mobile: 9083003362  
Email: m\_shastri72@co.uk

Mr. Sameer Madan  
Lt. Col.  
Border Road Organisation  
Projects/Unit - 1442 BCC/Shivalik  
(India)  
Phone (O):  
Mobile: 8708151319  
Email: madansameer784@gmail.com

Mr. Sayyid Mahmood P K  
Assistant Motor Vehicle Inspector  
RTO (E) Malappuram  
Parakkulangara House, Pulliyilangadi,  
Anakkayam  
Malappuram 676509 (India )  
Phone (O): 9447511248  
Mobile: 9188961325  
Email: sayyidmpk@gmail.com

Ms. Shikha Mittal  
PHD Student  
Indian Institute of Technology, Delhi  
Civil Engineering Department  
Delhi 110016 (India)  
Phone (O):  
Mobile: 704210 8707  
Email: Shikha.Mittal@civil.iitd.ac.in

Mr. Redhun Mohan  
Assistant Motor Vehicle Inspector  
RTO (E) Kollam  
Mangalasseril Veedu, Njarackal, Perunadu  
Kollam 691601 (India )  
Phone (O): 9567156652  
Mobile: 9188961040  
Email: redhunmohan1987@gmail.com

Mr. V Nagarajan  
Flipkart Group  
4/3, West Street Viraganoor Madurai-625009  
Madurai 625009 (India )  
Phone (O): 9677588775  
Mobile:  
Email:  
nagarajan.v@flipkart.com;nagarajansafety@g  
mail.com

Mr. Dulal Nandy  
Lt. Col.  
Border Road Organisation  
Projects/Unit HQ CE(P) Brahman  
(India)  
Phone (O):  
Mobile: 9531823506  
Email: dulalnandy4u@gmail.com

Mr. Shubham Nikam  
Student  
Sardar Vallabhbhai National Institute of  
Technology  
AS-05, Sarabhai Bhawan, SVNIT, Keval  
Chowk, Dumas Road  
Surat 395007 (India)  
Phone (O):  
Mobile: 7972648967  
Email: p20ct014@ced.svnit.ac.in

Mr. Ravikumar P M  
Motor Vehicle Inspector  
RTO (E) Palakkad  
Puthenmadadam House, Kottoppadam,  
Mannarkad  
Palakkad 678583 (India )  
Phone (O): 9188961270  
Mobile:  
Email: ravikumarp80@gmail.com

Mr. Vijesh P V  
Motor Vehicle Inspector  
RTO (E) Ernakulam  
Puthenpurana House, Thurithi, PO  
Perumbavoor  
Ernakulam 683545 (India )  
Phone (O): 9847140510  
Mobile: 9188961259  
Email: vijesh.mvd@gmail.com

Mr. Sheshnath Pandey  
M.Tech Student  
Sardar Vallabhbhai National Institute of  
Technology  
Surat  
Gujarat 395007 (INDIA)  
Phone (O):  
Mobile: 8757855855  
Email: p21ct006@ced.svnit.ac.in

Mr. Mukul Patel  
Research Scholar  
Sardar Vallabhbhai National Institute of  
Technology  
Surat  
Gujarat 395007 (India)  
Phone (O):  
Mobile: 9920363022  
Email: ds20ce014@ced.svnit.ac.in



Mrs. Priya Patel  
Research Scholar  
Sardar Vallabhbhai National Institute of  
Technology  
Surat  
Gujarat 395007 (India)  
Phone (O):  
Mobile: 9029460477  
Email: d21ce020@ced.svnit.ac.in

Mr. Raj Kumar Prakash  
Executive Engineer (Civ)  
Border Road Organisation  
Project / Unit - HQ CE(P), Sampark  
(India)  
Phone (O):  
Mobile: 9997260062  
Email: rajkumarprakash.ranchi@gmail.com

Dr. Shakti Prakash  
Environmental Specialist  
Human Environment Action Research Society  
80/6, Pratap Nagar, Tonk Phatak, Jaipur  
New Delhi 110067 (India)  
Phone (O): 9582970378  
Mobile: 9821004328  
Email: envshaktiprakash@gmail.com

Mr. Furqan Qureshi  
PG Student  
Indian Institute of Technology, Delhi  
Civil Engineering Department  
New Delhi 110016 (India)  
Phone (O): 7006773852  
Mobile: 7298247734  
Email: qureshifurqan68@gmail.com

Mr. C Hanumantha Rao  
Lt. Col.  
Border Road Organisation  
Project/Unit - HQ CE(P), Udayak  
(India)  
Phone (O):  
Mobile: 8968359272  
Email: chluri.021@gmail.com

Mr. Rahul Rathee  
M.Tech Student  
Deenbandhu Chhotu Ram University of  
Science and Technology  
Murthal  
Haryana (India)  
Phone (O): 9355555043  
Mobile: 9355555043  
Email: rahulrathee44@gmail.com

Mr. Mukesh Roy  
Student  
Visvesvaraya National Institute Of Technology  
S Ambazari Rd, Ambazari  
Nagpur 440010 (India )  
Phone (O): 8368208516  
Mobile:  
Email: mukeshroy\_70@yahoo.com

Ms. Brinda Sanil  
Motor Vehicle Inspector (Coordinator )  
RTO (E) Control Room TVM  
Brindavan, TC85/115/1116(1), CRA157B,  
Chembakassery Gardens, Vallakadavu PO,  
Trivandrum 695008 (India )  
Phone (O): 9447310544  
Mobile: 9188961221  
Email: brindasanil@gmail.com

Mr. Debashis Ray Sarkar  
PhD Research Scholar  
Indian Institute of Technology, Delhi  
Satpura Hostel, IIT Delhi  
Dellhi 110016 (India)  
Phone (O): 9800055444  
Mobile: 9800055444  
Email: trz198724@iitd.ac.in

Mr. Kamal Sharma  
Student  
Madhav Institute of Technology and Science,  
Gwalior  
599/1 Multan Nagar Bhola Road Meerut  
Gwalior (India)  
Phone (O): 9319250172  
Mobile: 91-8077281918  
Email: kamalsharma211196@gmail.com

Mr. Kalpesh Shrivastava  
National Institute of Technical Teachers  
Training and Research, Chandigarh  
Sector 26  
Chandigarh 160019 (India)  
Phone (O):  
Mobile: 9644790043  
Email: kalpeshshrivastava8@gmail.com

Mr. Mukesh Kumar Singh  
Lt. Col.  
Border Road Organisation  
Projects/Unit - 507 SS&TC Deepak  
(India)  
Phone (O):  
Mobile: 9168685145  
Email: mail2mukesh78@yahoo.co.in

Mr. Satwinder Singh  
H.no. 364/20, Shanti nagar, sector-11,  
Gurugram 122001 (India )  
Phone (O):  
Mobile: 9560305704  
Email: Satwinder.singhae@gmail.com

Mr. R Srinivasan  
Flipkart Group  
1/54,Valalaar Nagar, Hosur-635019  
Hosur 635019 (India )  
Phone (O): 9148526303  
Mobile:  
Email:  
srinivasan.r@flipkart.com;srinitech@gmail.co  
m

Ms. Roshni Suresh  
Architect  
Sandeep Gandhi Architects  
6151/8, D6 Vasant kunj, Santushti Apartment,  
New Delhi 110070 (India)  
Phone (O): 9755244872  
Mobile: 9811803367  
Email: sga.roshni@gmail.com

Mr. Dhanush T  
Assistant Motor Vehicle Inspector  
RTO (E) Kozhikode  
Thandankandiyil, Peyambra PO  
Peyambra 673571 (India )  
Phone (O): 9539301403  
Mobile: 9188961352  
Email: tdhanush09@gmail.com

Ms. Bhavisha Thakkar  
PHD Student  
Indian Institute of Technology, Delhi  
Delhi 110016 (India)  
Phone (O):  
Mobile: 9406238777  
Email: bhavishathakkar28@gmail.com

Mr. Ishaan Thakur  
FIR, Department of Civil Engineering  
Visvesvaraya National Institute Of Technology  
S Ambazari Rd, Ambazari  
Nagpur 440010 (India)  
Phone (O): 9459265145  
Mobile: 7807326550  
Email:

d21ce019@ced.svnit.ac.in, thakur.ishaan22@  
gmail.com

Ms. Neba C Tony  
PhD Research Scholar  
Indian Institute of Technology, Delhi  
Room No.108, Indraprastha Apartments-II  
New Delhi 110016 (India)  
Phone (O):  
Mobile: +91-8921749153  
Email: Neba.C.Tony@tripp.iitd.ac.in

Mr. Vineeth V V  
Motor Vehicle Inspector  
RTO (E) Wayanad  
Vadakkedath House, Nanthyattukunnam,  
Northparavur  
Ernakulam 683513 (India )  
Phone (O): 9744000705  
Mobile: 9188961212  
Email: vinusvv@gmail.com

Mr. Monu Verma  
Student  
PKG Group of Institution Panipat  
VPO Dhani Kumharan Moth Hisar  
Haryana (India )  
Phone (O):  
Mobile: 99925 73364  
Email: monu.verma3343@gmail.com

Mr. L G Wankhede  
Superintending Engineer (Civ)  
Border Road Organisation  
Project / Unit - HQ Deepak  
(India)  
Phone (O):  
Mobile: 9881728628  
Email: lgwankhede@yahoo.com

Mr. Om Prakash Giri  
Phd Candidate/Assistant Professor  
Lincoln University College Malasiya / Pokhara  
University  
Rivan VDC, Kaski, Pokhara Metropolitan  
City-6  
Lakeside 33700 (Nepal)  
Phone (O): 9856027119  
Mobile: +9779856027119  
Email: omgpr5@gmail.com

## List of Faculty

Prof. Hermann Knoflacher  
Technical University of Vienna  
Res. Ctr. For Traffic Planning & Traffic  
Engg., IMAR,  
Gusshausstrasse 30/231,  
A-1040, Vienna (Austria)  
Phone: 43-1-58801 23123  
Email: [hermann.knoflacher@tuwien.ac.at](mailto:hermann.knoflacher@tuwien.ac.at)

Prof. Shrikant . I Bangdiwala  
McMaster University  
Population Health Res. Instt. 237, Barton  
Street East  
Hamilton, ON, L8L2X2 (Canada)  
Phone: 1-919-2604545  
Email: [kant@unc.edu](mailto:kant@unc.edu)

Dr. Sylvain Lassarre  
Research Director  
IFSTTAR  
23 rue Alfred Nobel, 77420 Champs Sur  
Marne  
(France)  
Phone: 331-47-407150  
Other Phone: 331-45-080668  
Email: [lassarre@inrets.fr](mailto:lassarre@inrets.fr)

Prof. Girish Agrawal  
Head  
Dept. of Civil Engg., Shiv Nadar  
University  
Greater Noida  
Gautam Budha Nagar-2013014. UP (India)  
Phone: 0120-2667796  
Other Phone: 9818191395  
Email: [lawgir@gmail.com](mailto:lawgir@gmail.com)

Jigesh Bhavsar  
Sr. Road Safety Engineer iRAP  
Consultant World Bank and ADB  
Email: [jnbhavsar@gmail.com](mailto:jnbhavsar@gmail.com)

Dr. Rahul Goel  
Visiting Faculty  
Transportation Research and Injury  
Prevention Centre  
Indian Institute of Technology Delhi  
Hauz Khas, New Delhi-110016 (India)  
Phone: 91-11-2659 6575  
Email: [rahulatiitd@gmail.com](mailto:rahulatiitd@gmail.com)

Prof. K.N. Jha  
Civil Engg. Dept.,  
IIT Delhi, Haus Khas  
New Delhi-110016 (India)  
Phone: 91-11-26596255  
Email: [jhakneeraj@rediffmail.com](mailto:jhakneeraj@rediffmail.com)

Prof. Sudipto Mukherjee  
Mechanical Engg Dept,  
IIT Delhi, Hauz Khas,  
New Delhi - 110016 (India)  
Phone: 91-11-2659 1138  
Email: [sudipto@mech.iitd.ac.in](mailto:sudipto@mech.iitd.ac.in)

Prof. Nezamuddin  
Civil Engg. Dept., IIT Delhi, Haus Khas  
New Delhi-110016 (India)  
Phone: 91-11-26561349  
Email: [nezam@civil.iitd.ac.in](mailto:nezam@civil.iitd.ac.in)

Prof. S.B. Paul  
Department of Humanities and Social  
Sciences  
Indian Institute of Technology Delhi  
Hauz Khas, New Delhi-110016 (India)  
Phone: 91-11-26591372  
Email: [sbpaul@hss.iitd.ac.in](mailto:sbpaul@hss.iitd.ac.in)

Dr. Dilip Patel  
Assistant Professor  
Sardar Vallabhabhai National Institute of  
Technology  
Surat 395007 (India)  
Phone (O):  
Mobile:  
Email: [dapscholar@gmail.com](mailto:dapscholar@gmail.com) Prof.

Prof. Kalaga R. Rao  
Civil Engg. Dept., IIT Delhi, Haus Khas  
New Delhi-110016 (India)  
Phone: 91-11-26561235  
Email: [raokrch@gmail.com](mailto:raokrch@gmail.com);  
[rkalaha@civil.iitd.ac.in](mailto:rkalaha@civil.iitd.ac.in)

Mr. A.K. (Dunu) Roy  
Director  
Hazard Centre  
C/o Sukhmani Farms  
Gadaipur, Mandi Road  
Chattarpur  
New Delhi-110030  
Mob. 9910687627  
Email: [hazardcentre@gmail.com](mailto:hazardcentre@gmail.com)

Prof. Ravi Shankar  
Department of Management Studies  
Vishwkarma Bhawan  
Indian Institute of Technology Delhi  
Hauz Khas, New Delhi – 110016 (India)  
Phone: 91-11-26596421  
Email: [ravi1@dms.iitd.ac.in](mailto:ravi1@dms.iitd.ac.in)

Dr. Sadhu S L N Sarma  
Safety Consultant  
Email: [sslnsarma@gmail.com](mailto:sslnsarma@gmail.com)

Prof. Geetam Tiwari  
TRIPP  
Room MS 815,, IIT Delhi, Haus Khas  
New Delhi-110016 (India)  
Phone: 91-11-2659 1047; 2659 6361  
Email: [geetamt@gmail.com](mailto:geetamt@gmail.com)

Dr. Mathew Varghese  
Head  
Dept. of Orthopaedics  
St. Stephen's Hospital, Tis Hazari  
Delhi- 110054 (India)  
Phone: 91-11-2398 3574  
Email: [mathewvarghese.ms@gmail.com](mailto:mathewvarghese.ms@gmail.com)

Dr. Kavi Bhalla  
Dept of Public Health Scs.  
University of Chicago  
5801 S Ellis Ave,  
Chicago, IL 60637, (USA)  
Phone: 9548498692  
Email: [kavibhalla@gmail.com](mailto:kavibhalla@gmail.com)  
Prof. Amarjit Singh  
Civil and Environmental Engineering  
University of Hawaii  
Manoa (USA)  
Phone:  
Email: [asingh@hawaii.edu](mailto:asingh@hawaii.edu)

## Course Certificate

THIS IS TO CERTIFY THAT

.....

Has participated in the

### **INTERNATIONAL COURSE**

On

### **ROAD SAFETY AUDIT, ROAD CONSTRUCTION SAFETY, BIOMECHANICS & CRASHWORTHINESS**

**22 November - 10 December, 2021**

This course was designed to bring together professionals working in the area of transportation planning, safety promotion, biomechanics of impact and vehicle crashworthiness, road construction safety to acquaint them with the state-of-the-art information in the field. The contents of the course were especially focussed to give a global perspective to the road safety problem. The participants have been exposed to

- ☞ The latest scientific knowledge regarding traffic planning, prevention of traffic accidents and injuries, construction safety issues and current advances in vehicle crashworthiness and restraint systems
- ☞ Policies and methods which have been shown to be successful and those that have not worked in the past
- ☞ Strategies for starting local programmes in road safety

Geetam Tiwari

K.R. Rao  
Course Coordinators

K.N. Jha

#### **ORGANISED BY**

Transportation Research & Injury Prevention Centre  
Indian Institute of Technology Delhi, India

#### **SUPPORTED BY**

Ministry of Road Transport and Highways, Govt of India;  
Ministry of Housing & Urban Affairs, Govt. of India;  
National Highway Authority of India  
Independent Council for Road Safety International (ICoRSI)  
SEAR, World Health Organisation

## Group Photograph

ROAD SAFETY AUDIT, ROAD CONSTRUCTION SAFETY,  
BIOMECHANICS & CRASHWORTHINESS

22 November – 10 December 2021

COURSE PARTICIPANTS & FACULTY

