

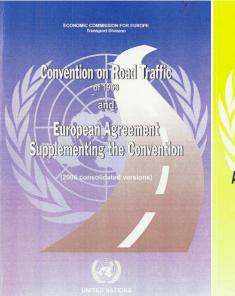






50th Anniversary 1968 Conventions

11 – 25 March 2019, Palais Des Nations, Geneva



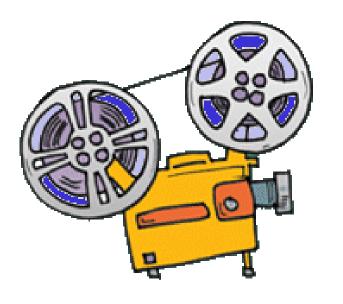


Convention on Road Traffic and 1968 Convention on Road Signs and Signals

Presented By:

Dr. Rohit Baluja PhD

President Institute of Road Traffic Education Director: College of Traffic Management



Rewind the last 15 Years









Global Road Safety Stakeholders Forum United Nations | New York | 14 April, 2004

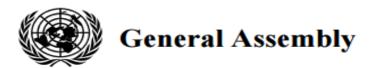








United Nations A/RES/58/289



Distr.: General 11 May 2004

Fifty-eighth session Agenda item 160

- 2. Invites the World Health Organization, working in close cooperation with the United Nations regional Commissions, to act as a coordinator on road safety issues within the United Nations system
- 4.Underlines the need for the further strengthening of international cooperation, taking into account the needs of developing countries, to deal with issues of road safety.







United Nations A/RES/60/5



General Assembly

Distr.: General 1 December 2005

Sixtieth session Agenda item 60

- 5. <u>Encourages Member States to adhere to the 1949 Convention on Road Traffic and the 1968 Convention on Road Traffic and Convention on Road Signs and Signals, in order to ensure a high level of road safety in their countries</u>
- 6. Stresses the importance of the <u>improvement in the international legal road traffic safety norms</u>, and welcomes in this regard the work of the Working Party on Road Traffic Safety of the Inland Transport Committee of the Economic Commission for Europe <u>in the elaboration of a substantial package of amendments to the 1968 Conventions on Road Traffic and Road Signs and Signals;</u>









My first visit to the Working Party 1













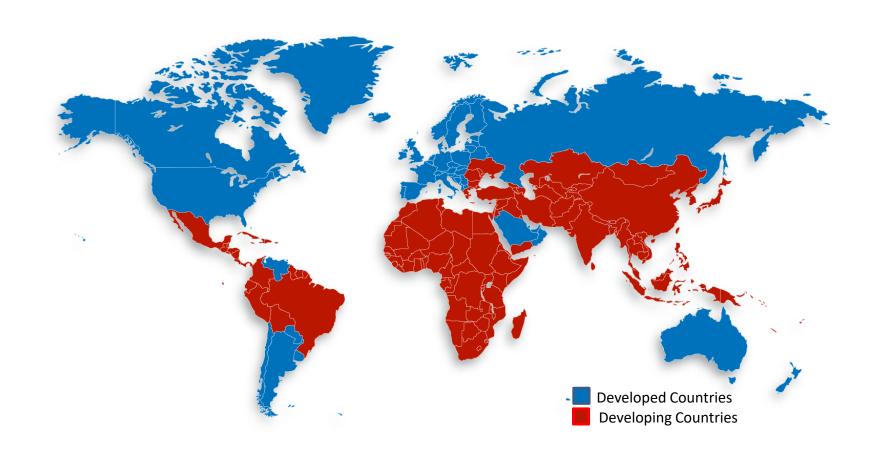








I recognized that there are literally two worlds on this planet and they co-exist...



















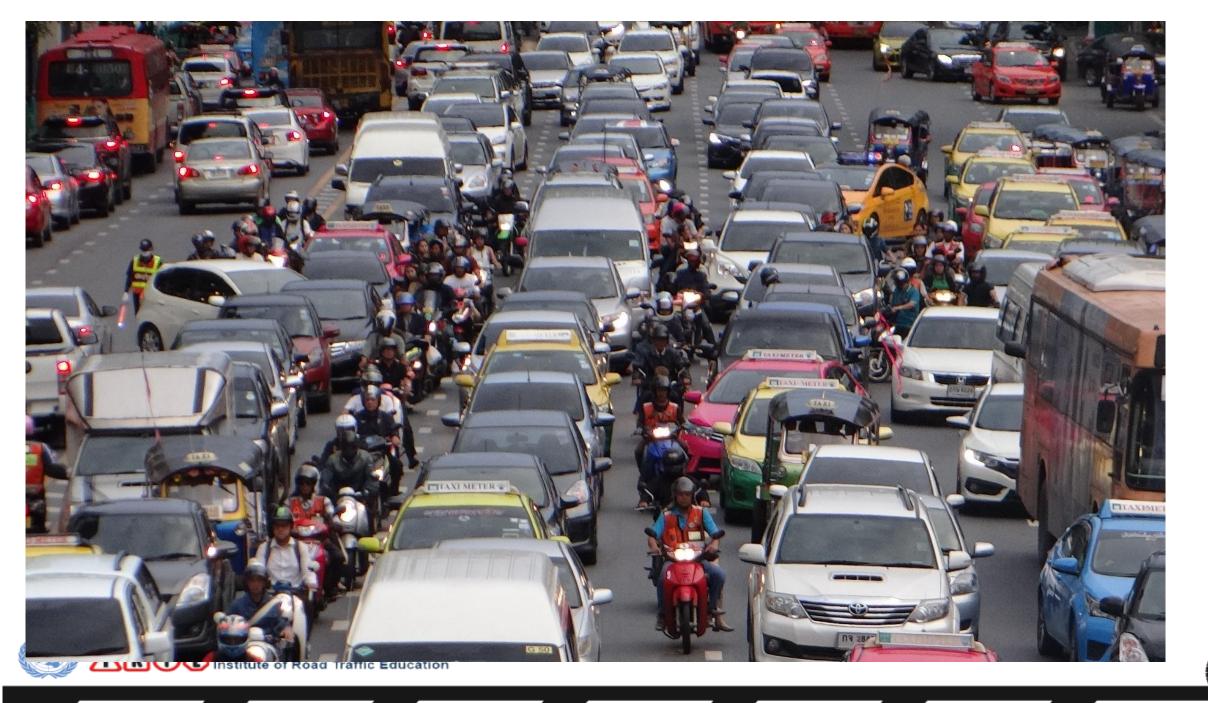




























UNECE: 129,402 (10.49% of Global Road Fatalities)

S.No	Member States	Estimated No.of Road
		Traffic Deaths
1 2	Albanía Andorra	408
3	Andorra Armenia	558
4	Austria	553
5	Azerbaijan	1202
6	Belarus	1384
7	Belgium	869
8	Bosnia and Herzegovina	588
9	Bulgaria	776
10	Canada	2296
11	Croatia	456
12	Cyprus	84
13	Czech Republic	802
14	Denmark	258
15	Estonia	87
16 17	Finland	272 3992
18	France	685
19	Georgia Germany	3830
20	Greece	1385
21	Hungary	908
22	Iceland	9
23	Ireland	212
24	Israel	352
25	Italy	4371
26	Kazakhstan	3514
27	Kyrgyzstan	1022
28	Latvia	243
29	Liechtenstein	
30	Lithuania	369
31	Luxembourg	32
32	Malta	16
33	Moldova	496
34	Monaco	05
35 36	Montenegro Netherlands	95 640
37	Norway	208
38	Poland	4509
39	Portugal	1257
40	Romania	2377
41	Russian Federation	26567
42	San Marino	0
43	Serbia	813
44	Slovakia	515
45	Slovenia	146
46	Spain	2478
47	Sweden	278
48	Switzerland	327
49	Tajikistan	1244
50	The former Yugoslav Republic of Macedonia	162
51	Turkey	8758
52	Turkmenistan	
53	Ukraine	6121
	United Kingdom of	
54	Great Britain and	2278
	Northern Ireland	350,000
	United States of	25400
55	America	35490
56	Uzbekistan	3107
	Total	129402



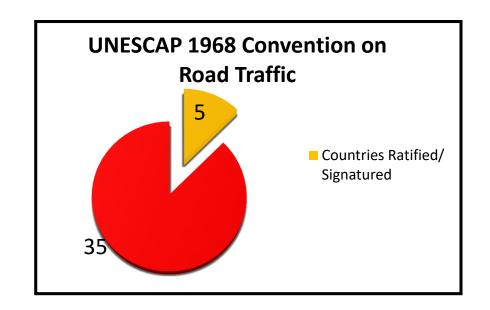


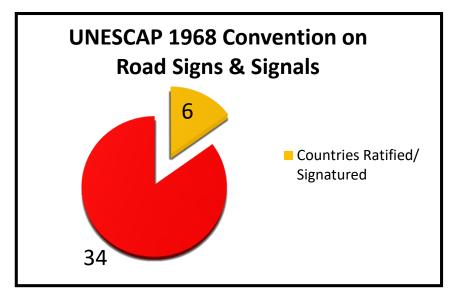
UNESCAP: 733,463 (59.47% of Global Road Fatalities)

S.No	Member State	Estimated No. of Road Traffic Deaths	
1	Afghanistan	6209	
2	Australia	1363	
3	Bangladesh	17289	I THE TOTAL STATE OF THE STATE
4	Bhutan	96	Control of the second of the s
	Brunei Darussalam	27	San
6	Cambodia	2431	To those same and
-	China	275983	Comment of the control of the contro
8		54	lectural pierway (Finland 6. Rassia
	India	231027	United Kingdom (A) A Market S
	Indonesia	42434	Cornela Dorigina Libraria
	Iran (Islamic Republic of)	25224	reland Beland
	Japan	6625	Cermany Utraine Karahara
	Kiribati	6	France Anning Remains Co.
	Korea (Democratic People's Republic of)	2614	Spin Toll Million Con Tolling
-	Korea (the Republic of)	6784	United States 1. Saint Vincet and the Grenatines Portugal Tarkey Trackey Parlaments Portugal Tarkey Parlaments
-	Lao People's Democratic Republic(the)	1266	1. Saint Kits and Nevis Admirpt and Berbada Antique and Berbada
$\overline{}$	Malaysia	7085	5. Dominica Alteria Alteria
	Maldives	6	Mexico Dominion Western Salura Cappi
$\overline{}$	Marshall Islands (the)	4	Change Control 4 Seneral Maji
	Micronesia (Federated States of)	2	Sudin South United Arts Engineers Sudin South United Arts Engineers
$\overline{}$	Mongolia	491	Costa Rica SV Venezuela Suriname Ghang Nigeria Central African Ethioria
$\overline{}$	Myanmar	7177	Colombia Guyana Dench Guiana Liberta Gancoon Urganda Sontalia Maldives» Palau Feocrated States of
	Nauru		Funder Cête d'Ivoire Congo Rang Kornin Singhi Singhi Papu New Guinea Nautu
	Nepal	4787	Perr Brazil Scychelles Indonesia Immer-Leate Stationa Islanda Treat
-	New Zealand	398	District 11. Democratic Remedits of the Compo
$\overline{}$	Pakistan	30131	12. Equatorial Guinea Sambia Zumbahya Managarar
_	Palau	3	Pareginsy 11. Sale Jones and Principe Bosovapa* Maurities Recovapa* Maurities Asserting
	Papua New Guinea	892	Lessofts Securitard
	Philippines (the)	8499	Child Ungayi
-	Samoa	30	New Zealand
	Singapore	259	Cuba Hait Dominican Republic Linhumin Russin
-	Solomon Islands	79	
$\overline{}$	Sri Lanka	2854	Parto Rica and Nevis
	Thailand	26312	Artigua and Barbuda Crech Republic
	Timor-Leste	219	φ Dominica France Lieghenstein Lieghenstein Moldova
	Tonga	6	Saint Lucia o Barbados
$\overline{}$	Tuvalu	2107	Andergy Sal Market 8 Bulgarie
_	Uzbekistan	3107	Trinida and Totago
_	Vanuatu	39	Company of the state of the sta
40	Viet Nam	21651	Colombia Venezuela Gorda Malta Malta
	Total	733463	7. Maccolonia Operation Spania (10 Spania and Ferzeavira)













Europe-Asia Road Safety Forum: 4 December, 2013









67th Session of the WP.1: 5-6 December, 2013







67th Session of the WP.1: 5-6 December, 2013



























Round Table Meeting at UNECE: March, 2015









South East Asian Region

30.4% of Road Deaths in the World



Note: South East Asian Region includes: India, Nepal, Bhutan, Bangladesh, Thailand, Vietnam, Malaysia, Indonesia, Philippines, Cambodia, Lao PDR, Sri Lanka and Maldives.





Traffic Review-Vietnam

























ADB

India February 2016



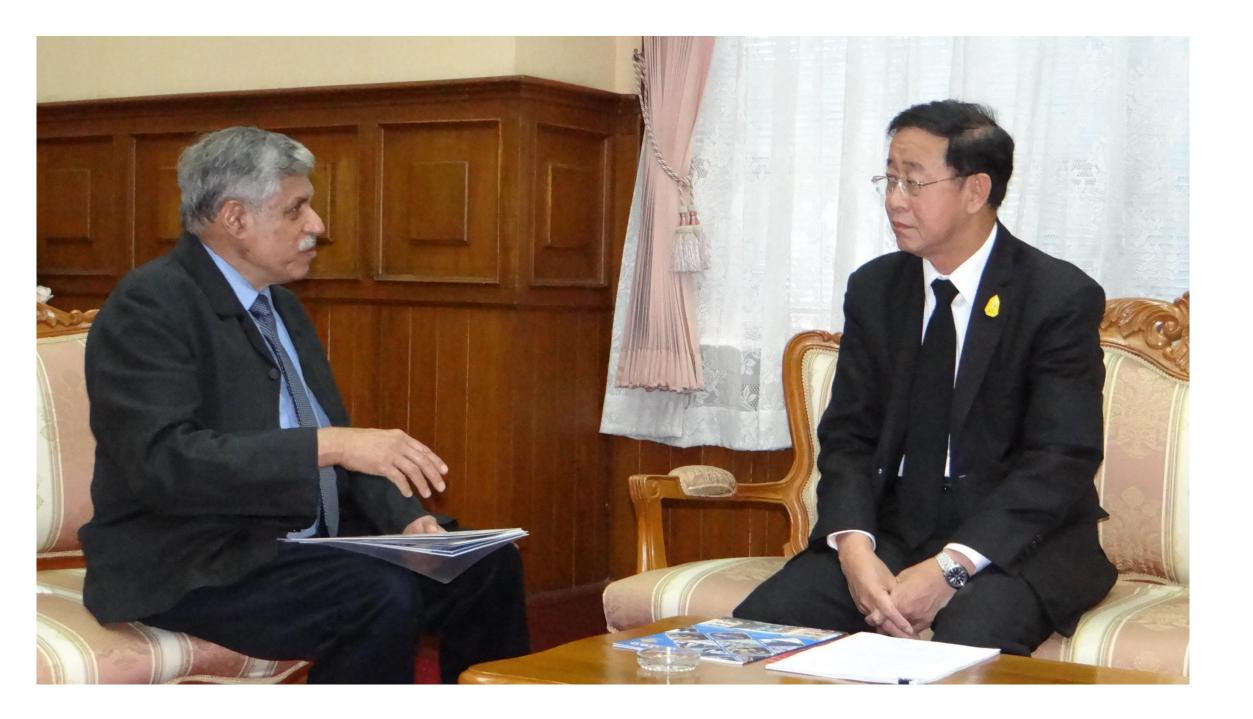


Advisory Group Meeting in UNESCAP:





















CONFERENCE

SAFETY OF POWERED TWO WHEELERS AND VULNERABLE ROAD USERS

28-30 2016













India, 28-30 November, 2016









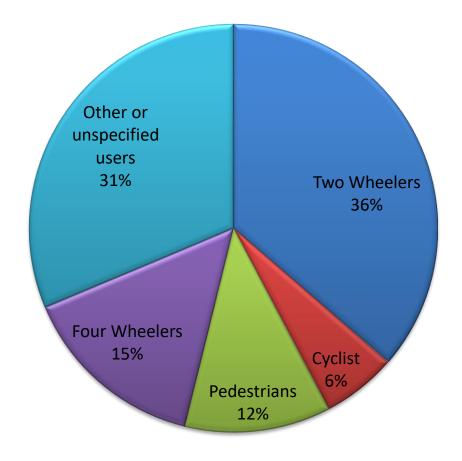




First Recommendations: ECE/TRANS/WP.1/2017/3







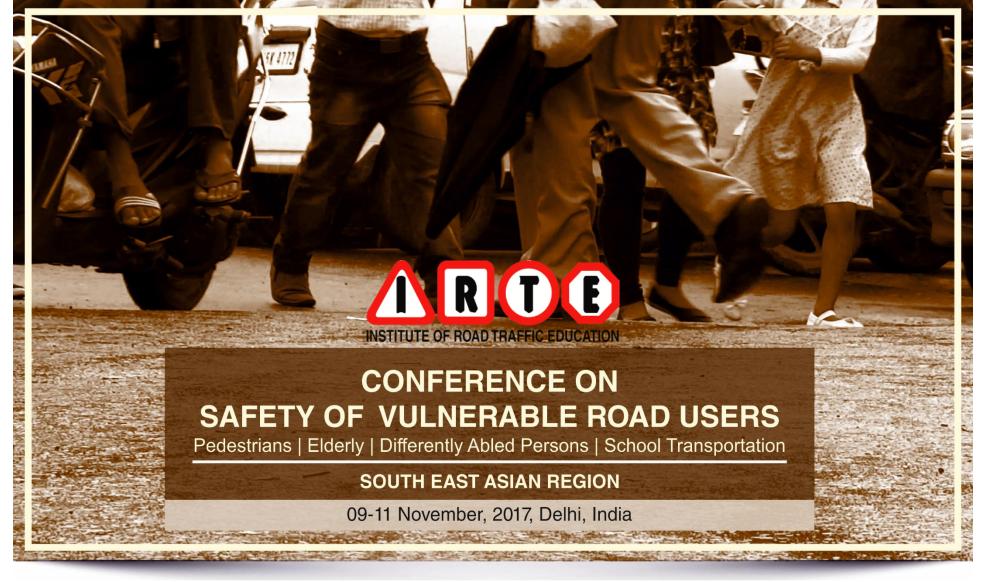
Road Crash
Fatalities of VRUs
in South East
Asian Countries in
2013

85%

Source: Global Status Report 2015, https://bmcpublichealth.biomedcentral.com/articles/10.1186/1471-2458-12-561



























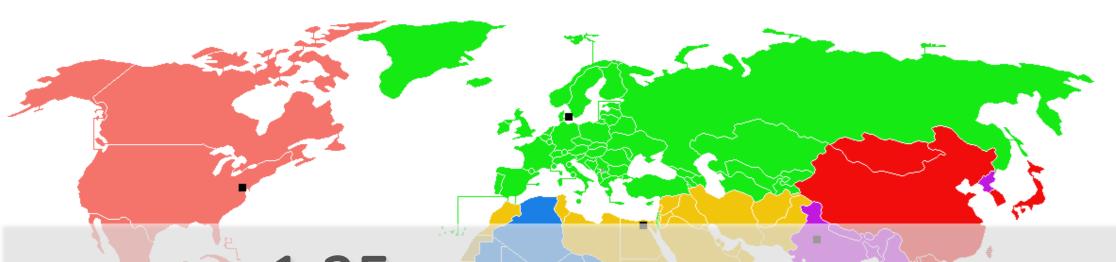




UNECE and IRTE Sign a MOU 19 March 2018





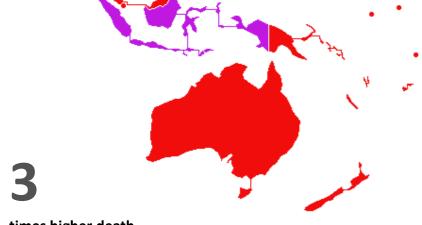


Globally, over 1.35 Million people are killed in road crashes each year



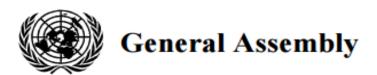
1st

leading cause of death for children and young adults 5-29 years of age



times higher death rates in low-income countries than in highincome countries

Source: Global Status Report on Road Safety 2018, WHO



Distr.: General 10 May 2010

Sixty-fourth session Agenda item 46

- 2. Proclaims the period 2011-2020 as the Decade of Action for Road Safety
- 4. Reaffirms the <u>needs of low- and middle-income countries</u>, including those of the <u>least</u> <u>developed countries and African countries</u>, by building capacity in the field of road safety;
- 5. <u>considering that there is **no one-size-fits-all formula** and considering also the specific situation of each country based on its needs and priorities;</u>
- 16. Also encourages Member States to become contracting parties to and to implement the United Nations road safety-related legal instruments,







First Global Ministerial Conference on Road Safety Moscow | 2009 November 19-20

- Concerned that more than 90% of road traffic deaths occur in low-income and middle-income countries and that in these countries the most vulnerable are pedestrians, cyclists, users of motorised two- and three-wheelers and passengers on unsafe public transport,
- Invite the United Nations General Assembly to declare the decade 2011–2020 as the "<u>Decade of Action for Road</u> <u>Safety</u>" with a goal to stabilize and then reduce the forecast level of global road deaths by 2020;





Small Pox Eradication did not happen by accident

- Stephen Hawking: (brief history of time) "History of science is the gradual realization that things do not happen in an arbitrary fashion. This is a cause an effect world. Small pox disappeared because of a plan, conceived and implemented on purpose by people"
- Small pox eradication from the entire world is one of the most remarkable achievements in the history of medicine and public health.





r. William Foege

• Dr. William Foege is the tallest epidemiologist in every manner, epidemiologist, visionary, philosopher and a true leader, even in height



Assigned from CDC to SEARO (WHO), was responsible for the eradication effort throughout the Indian subcontinent.

His philosophy needs to be translated to eradication of "Road Unsafety"







William quoted

- If a house is on fire, no one wastes time putting water on nearby houses, just in case the fire spreads. They rush to pour water where it will do most good, on the burning house
- The theory of mass vaccination was founded on the assumption that it was not possible to know where the a virus is. The Experts recommended that since 80 % the goal of immunization in India was not being achieved the goal needed to cover 100%
- "The herd immunity concept would not work", in case of small pox, though the logic works for other infectious diseases.
- The Objective may be global, but the implementation must always be local. Local culture determines which tactics are most useful.







- Let us empower the countries for them to understand their problems and
- Help them to strengthen their systems to deal with remedial solutions
- Do Not
- Give out sermons and prescriptions which are not applicable or can not be applied by them

My opinion







General Prescription from Developed Countries

Comprehensive Safety Prescription

- Seat Belts
- Helmets
- Reduce Speeds
- Drunken-driving
- Road Safety Awareness

OR













Deadly School Bus Crash That Took 35 Lives In Tanzania Blamed On Speeding

A school bus in Tanzania went off the road and fell into a river gorge on Saturday, claiming 35 lives.











48 killed in bus accident in northern India

Global News - Jul 1, 2018



At least 30 children killed in India bus accident

Reuters India - Apr 10, 2018



Bus Crash in Southern Pakistan kills 56

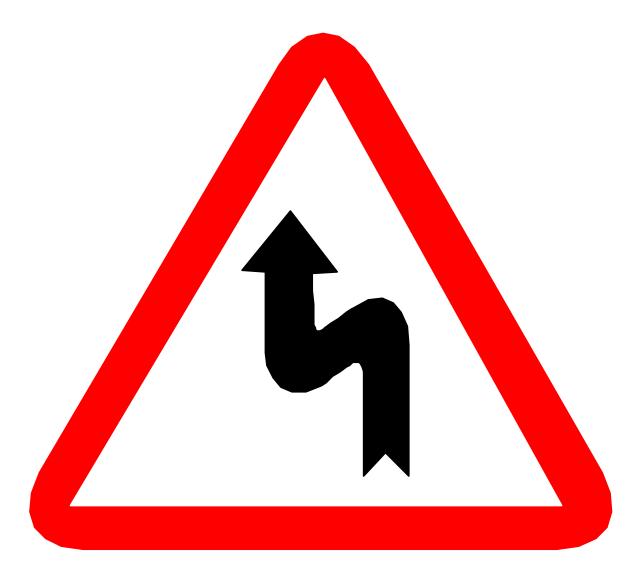
World New Agence 2014



















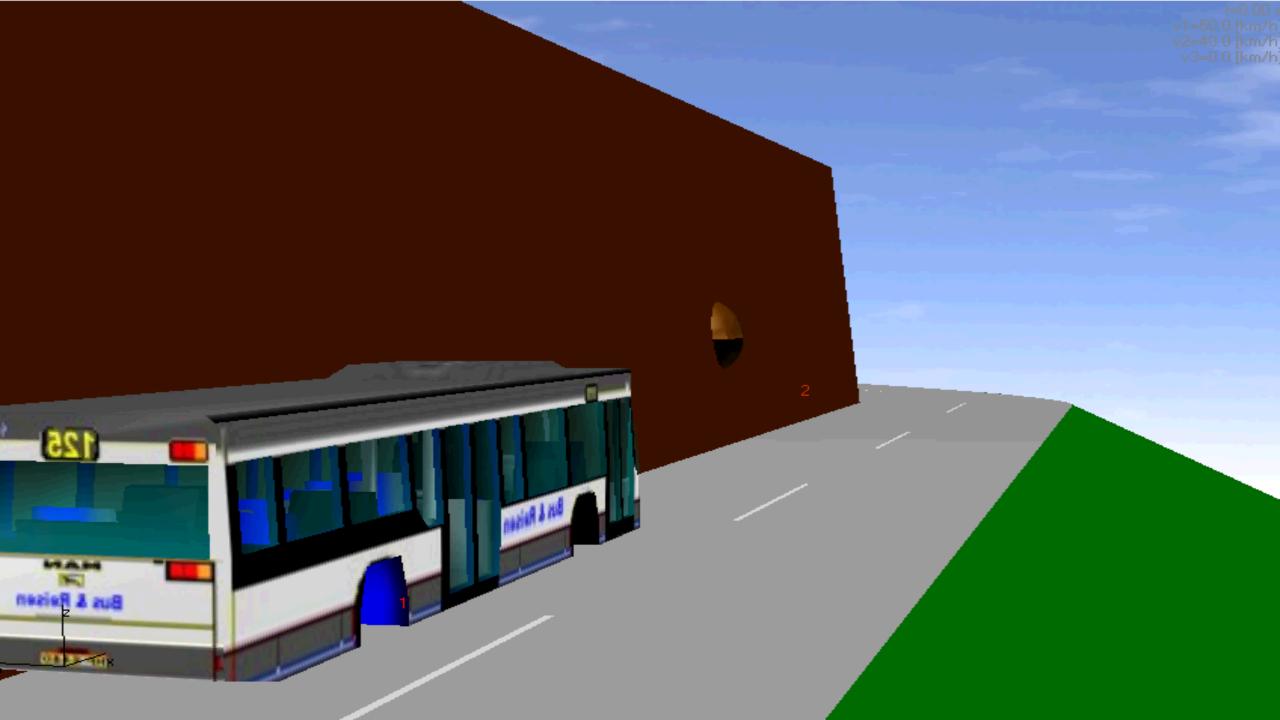


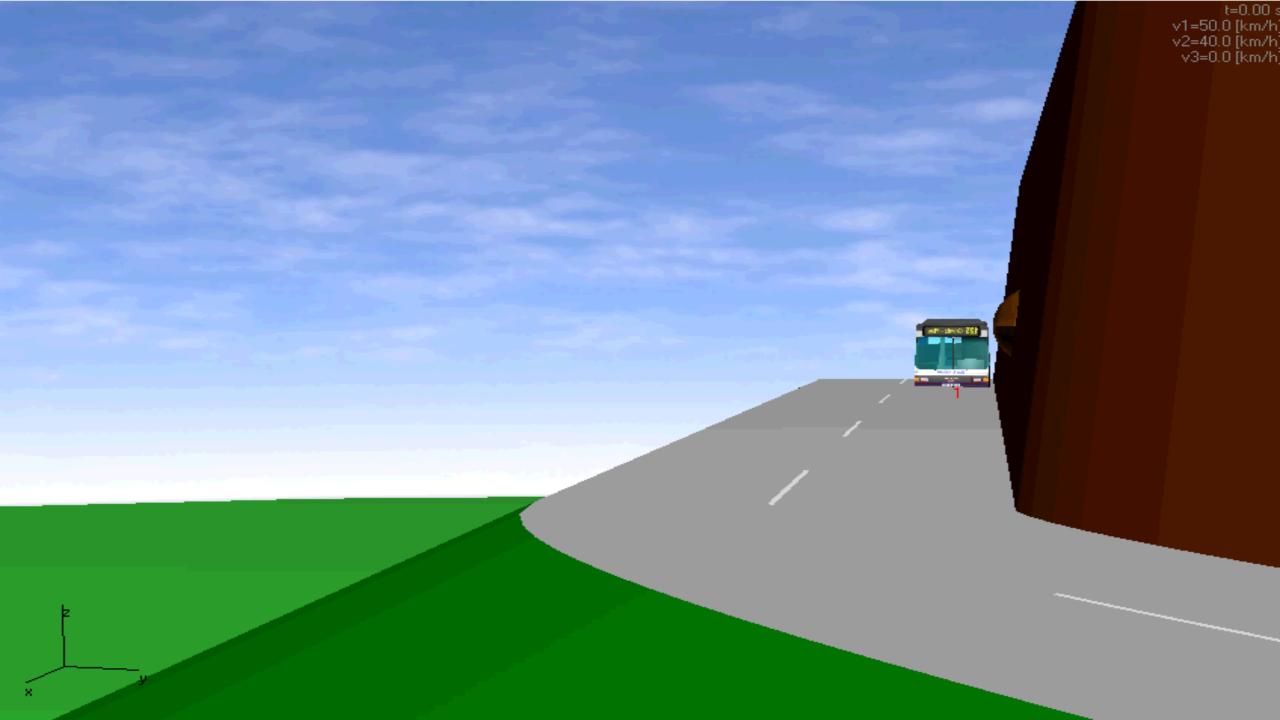














Emerging Economies

- Symptoms are considered as Disease
- Remedial Measures are for Symptoms and Not the Disease
- Generally the road user, the vehicle and the larger vehicle are termed as guilty





Diagnosis

Diagnostic Tests

- Blood Test
- X-ray
- Ultrasound
- Electro-Cardiogram (ECG)
- Colonoscopy
- Cystoscopy
- Urethroscopy

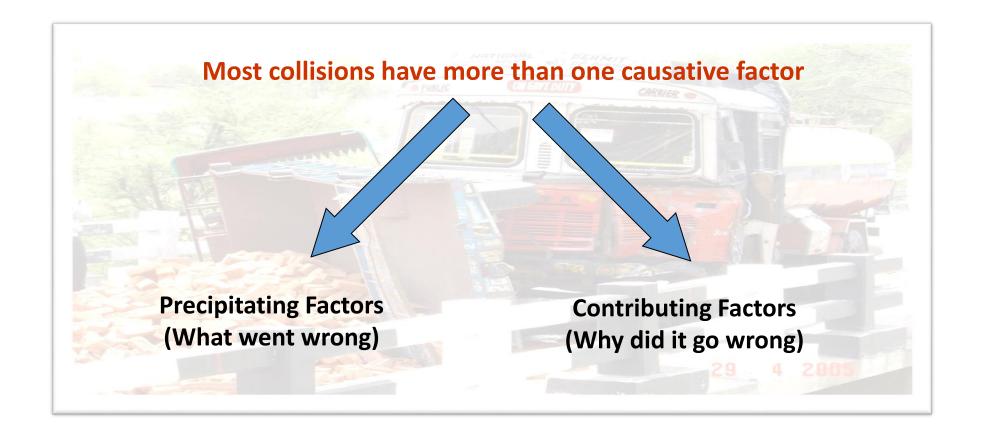
Road Traffic

- Understanding Violations, their causes and consequences
- Understanding factual causes and consequences of serious and fatal road crashes
- Road Safety AuditsOr
- Unfounded Presumptions?





Causative Factors in Road Collisions







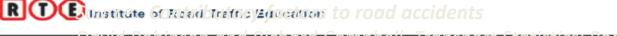


The form used by the Great Britain police to report contributory factors includes a list of

77 contributing factors

			Percentage of accidents ^{1,2}	
Contributory factor reported in accident	Fatal	Serious	Slight	All accidents
Road Environment Contributed	12	13	15	15
Poor or defective road surface	1	1	1	1
Deposit on road	1	2	1	1
Slippery road	6	8	10	10
Inadequate/masked signs or markings	1	0	1	1
Defective traffic signals	0	0	0	0
Traffic calming	0	0	0	0
Temporary road layout	0	0	0	0
Road layout	4	3	3	3
Animal/Object in carriageway	1	1	1	1









Expertise Required by Investigators





Ingredients of Crash Investigation









Road

- Rest Position of all involved vehicles & victims
- Exact positions of any tyre skid marks, fluid trails, scuff or scratch marks, blood stains made in or on the road or verges, pre collision or, as a consequence of the collision including dimensions
- Damage to any road surface or roadside furniture
- Measurement of gradients, road cambers and sight lines

Vehicle

- Position of damage and contact marks to vehicles
- Complete Mechanical Inspection of the vehicle, if required
- Examine and note the position of control systems within the vehicles, i.e. light switches and gears, speedometers. Also, note the condition of the seatbelts.
- Examine and note other materials lying within the vehicle

Victim

- Details of the injuries
- Examine and note other materials for ex. Clothes, accessories being carried by the victim etc.
- Analysis of injuries to establish points of contact with vehicles and pedestrian positions and movement

Environment

Weather Conditions
Site Characteristics
Visibility
Landuse



To be effective in preventing road traffic violations & road crashes leading to deaths and serious injuries

Road Traffic Legislation must be audited on the basis of following parameters.

निम्नलिखित पैरामीटर के आधार पर सड़क यातायात कानून का लेखा परीक्षा किया जाना चाहिए।

- 😕 Is the Legal instrument: क्या यह कानूनी उपकरण है।
- Reasonable क्या यह उचित है
- Appropriate क्या यह उपयुक्त है
- Communicated क्या यह सूचित है
- > Well Understood क्या अच्छी तरह से समझ लिया गया है
- Enforceable क्या यह लागू करने योग्य है



The Legislation (कानून)



Primary Legislation

प्राथमिक विधान

(Acts & Statues)

Secondary Legislation माध्यमिक कानून

(Delegated Legislation)

Quasi Legislation अर्ध कानून

(Codes of Practice)







The Way Forward -->

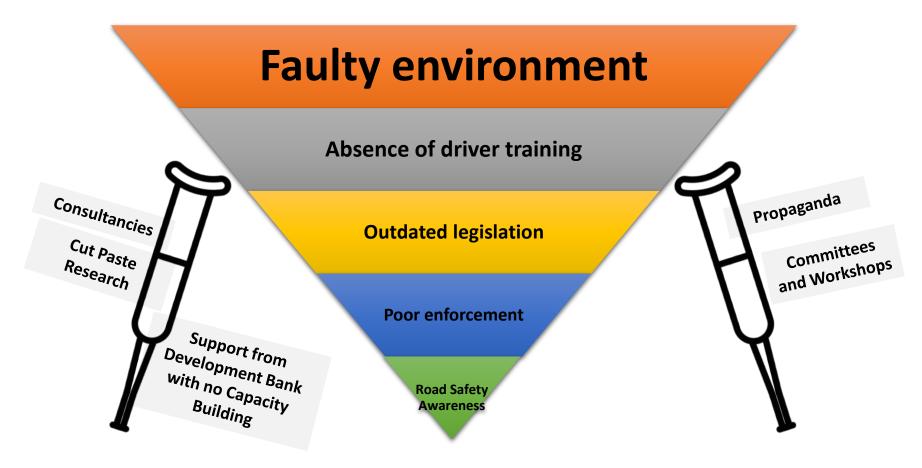
Capacity Building Initiatives to make Nations Self Reliant

In order to reduce the burden of fatalities and serious injuries: there is a need to diagnose the "Unsafe factor"

- Diagnosis of "Unsafety"
- Empowering Countries to Recognise their own Unsafety factors'
- Helping nations to Build their own Research towards implementing Remedial Solutions



Confused pyramid of road safety









Education

Enforcement Training Of Police

Driver Training

Training of Licensing officers&
Trainers

Engineering

Adapting Research in developing their own Codes of Practice

Legislation & Standards

Conventions of Road Traffic and Signs & Signals



Responsible Young Drivers and Riders



Age Group wise fatalities in India 2017 India

0-18 years - 9,408



18-25 years -34,244



25-35 years 39,549



Total Fatalities in India (2017)

1,47,853

0-35 Year Age Group

83,201 (56.2%)

School Conclave



Possibilities

Active

- Enforcement
- Engineering/Legislating

Educative

- Driver Training/Awareness
- Catalysing > Parents/Schools



IMPORTANT INITIATIVES UNDERTAKEN BY THE INSTITUTE OF ROAD TRAFFIC EDUCATION (IRTE)



IN PARTNERSHIP WITH
THE MINISTRY OF ROAD TRANSPORT & HIGHWAYS
GOVERNMENT OF INDIA

These initiatives are also being developed for the South Asia Region



School Conclave for Road Safety

Imparting Road Safety Education to School Teachers

Training of School Bus Driver/ Attendants



Towards Responsible Youth

Creating Responsible Young Drivers & Riders
A University Students Training Program

Capacity Building Workshopsfor Police / Traffic Police Officers & Military Police

Traffic Management & Road Crash Investigation

Development of a Draft National Policy for the Safety of Transporting School Children

(In all modes of Transportation)

Awareness Raising Workshops

For Officers of Transport Department, Police and Engineers from Road Authorities In Motor Vehicles (Driving) Regulations, 2017



Training of Nepal Plolice







"Training Programme on Traffic Management"

College of Traffic Management 30.01.2017 to 18.02.2017











Standing: L to R: H.W.S. Caldera, H.L. Jagathsiri, N.W.D. Samarasinghe, S.M.S. Abeysekara, W.L.S. Alwis, D.H.G.V.J Samanjith, M.M.R.C. Munasinghe, C. Wickramarathne, W.M. Ashoka Privashantha





Training Programme on "Road Crash Investigation and Forensic Science"

College of Traffic Management 19th November to 8th December, 2018







Standing: L to R: Gaurav Gupta, Nay Htun Linn, Zaw Naing Htay, Zaw Zaw Nyunt, Aung Kyaw Win, Khun Htet Say, Nan Nan, Myo Min Latt,

DIAGEO







Towards TOWARDS RESPONSIBLE YOUTH

Responsible Young Drivers and Riders

Awareness Raising Programmes prior to obtaining a Learners' License

School Conclave

Safer Children -Training methodology for School Teachers in Road Safety Education



Responsible Young Drivers and Riders



Youth Awareness Program for

University Students

20 Universities,

400 Students/Program







School Conclave

DIAGEO



road to safety TOWARDS RESPONSIBLE YOUTH

Safer Children-Training Methodology for School Teachers in Road Safety Education

SCHOOL CONCLAVE FOR ROAD SAFETY

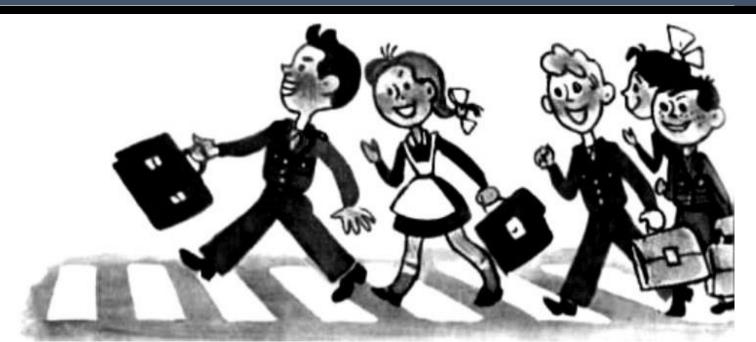
IMPARTING ROAD SAFETY EDUCATION to SCHOOL STUDENTS through existing curriculum

A Resource for School Teachers



An Initiative By:



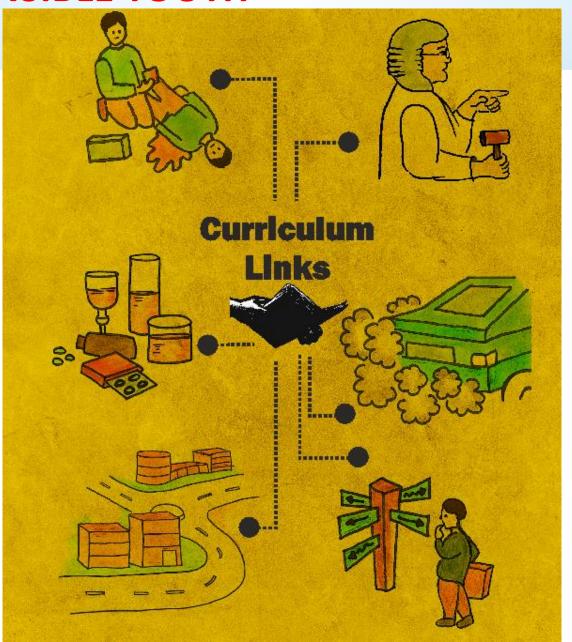










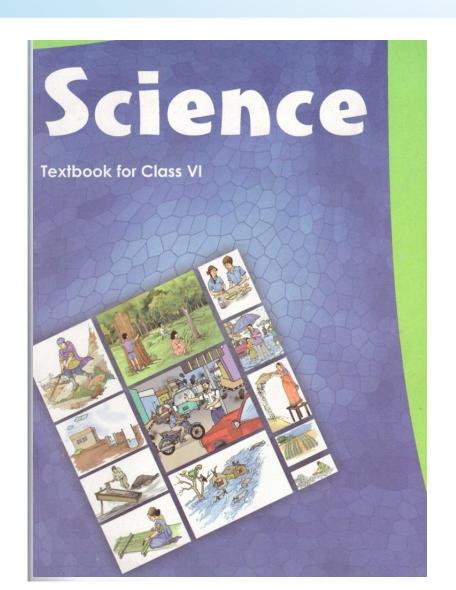


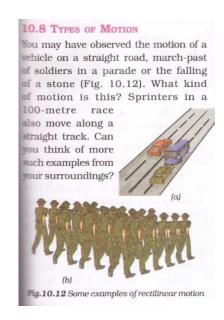


Methodology

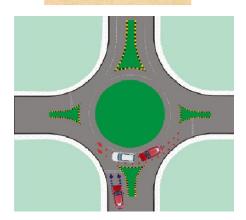


School Conclave





Circular motion



Key w©rds

Circular motion

Distance

Measurement

Motion

Periodic motion

Rectilinear

SI units

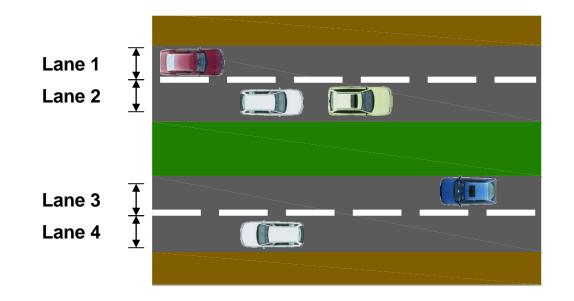
Units of measurement

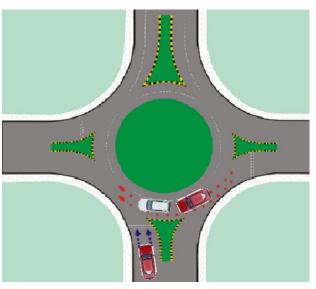
School Conclave



Chapter-10 Motion and Measurement of Distance

Key Words used in Chapter: Circular Motion, Distance, Measurement,
 Rectilinear Motion

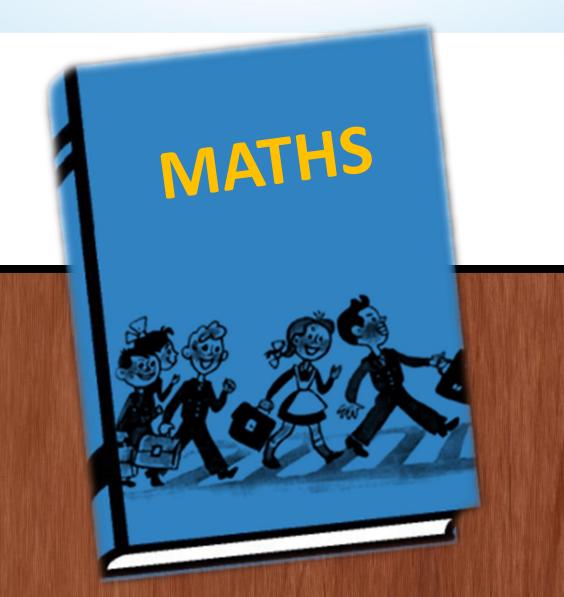














Curriculum Link

School Conclave



Finding places on the map

- Country-State-District-City-Local Area- Own School
- Landmarks
- Hospitals, police stations, terminals etc.

Using maps to

- Approximate distances
- Obtain directional orientation
- Plot journeys, for e.g., from home to school, home to market etc.
- Plot local accidents on maps
- Mark stretches of congestion on local area maps





School Conclave

Curriculum Link

Arts and Craft

Slogan coining/ cartoon making/ drawing & painting on road safety issues like

- Drunken Driving
- Violating Traffic Rules
- Traffic Signals & Markings
- Traffic Snarls
- Overspeeding & Accidents
- Pollution
- Riding Without Helmets
- Triple Riding
- The Traffic Policeman
- Mixture of Vehicles
- etc....









First Academic Capacity Building Initiative for South East Asia

Based upon the Safe Systems Approach

Academic Objectives

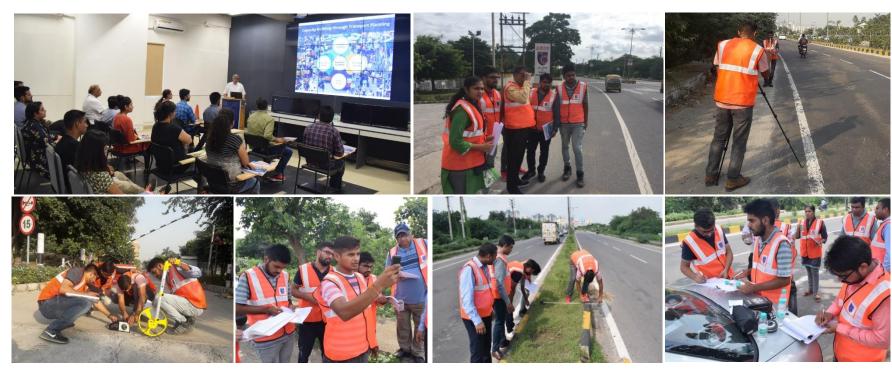
To create capabilities of individuals to understand the basis and complexities of the following domains of Traffic Management through the process of research, globally applied best practices, recognizing national and local needs:

- Traffic Engineering
- Forensic Science in Crash Investigation
- Human Factors in Road Crashes
- Driver Training and Management

- Post-crash Management
- Traffic Legislation and Codes of Practice
- Traffic Enforcement
- Road Safety Awareness and Education









The Institute of Road Traffic Education has supported the Government of India towards the drafting of

Motor Vehicles Driving Regulations

(in cohesion with the UN Convention of Road Traffic)

As we recommend that need based regulations form the very basis of driver training, traffic discipline and road crash investigation





MOTOR VEHICLES (DRIVING) REGULATIONS,2017 मोटरयान चालन विनियम, 2017

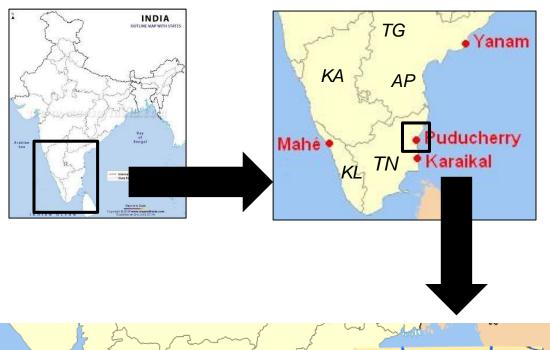


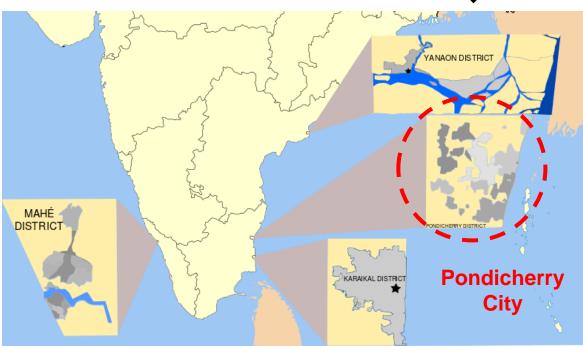
of Judicial Officers In Road Crash Investigation





Puducherry





Constitutional Status	Union Territory with 4 regions (Puducherry, Karaikal, Mahe and Yanam)			
Puducherry City				
Local Governing Bodies	Pondicherry Municipality Oulgaret Municipality			
Area	Pondicherry Municipality = 19.54 km.sq. Oulgaret Municipality = 36.70 km.sq.			
	Total = 56.24 km.sq.			
Population	Pondicherry Municipality = 2,41,773 Oulgaret Municipality = 3,00,028			
	Total = 5,41,801			
Economic Structure of the City is based on	 "Open Economy Model" which includes – Agriculture and allied activities, Small Scale Industries Eco-Tourism 			
Source: www.censusindia.g	gov.in (2011 Census)			



Supporting the Government

- Undertaking Road Safety Audit
- Improving Traffic Engineering
- Working with the Police
- In scientific investigation of road accidents
- Developing Strategic based Enforcement
- Creating a new Basis of Data Management
- Training of Motor Licensing Officers

With the Aim:

Reducing Road Crash Fatalities by atleast 50% Improving Efficiency of Road Traffic Movement







An Initiative of humans of Nan Trum, Education in association with

School Bus

DRIVER / ATTENDANT - HANDBOOK

स्कूल बस ड्राइवर / सहायक - हैंडबुक













In all modes of Transport
For India & South East Asia

New Delhi 29 & 30 April 2019

IRTE offers our support

In the following domains:

- Training to Police Officers in Traffic Management & Road Crash Investigation
- Training of Trainers : Motor Licensing Officers, Driver Trainers
- Training of Highway Engineers: in Traffic Engineering & Road Safety Audit
- Helping the development of a Road Safety Curriculum for Schools
- Developing the tools and systems of training

