



International Road Federation

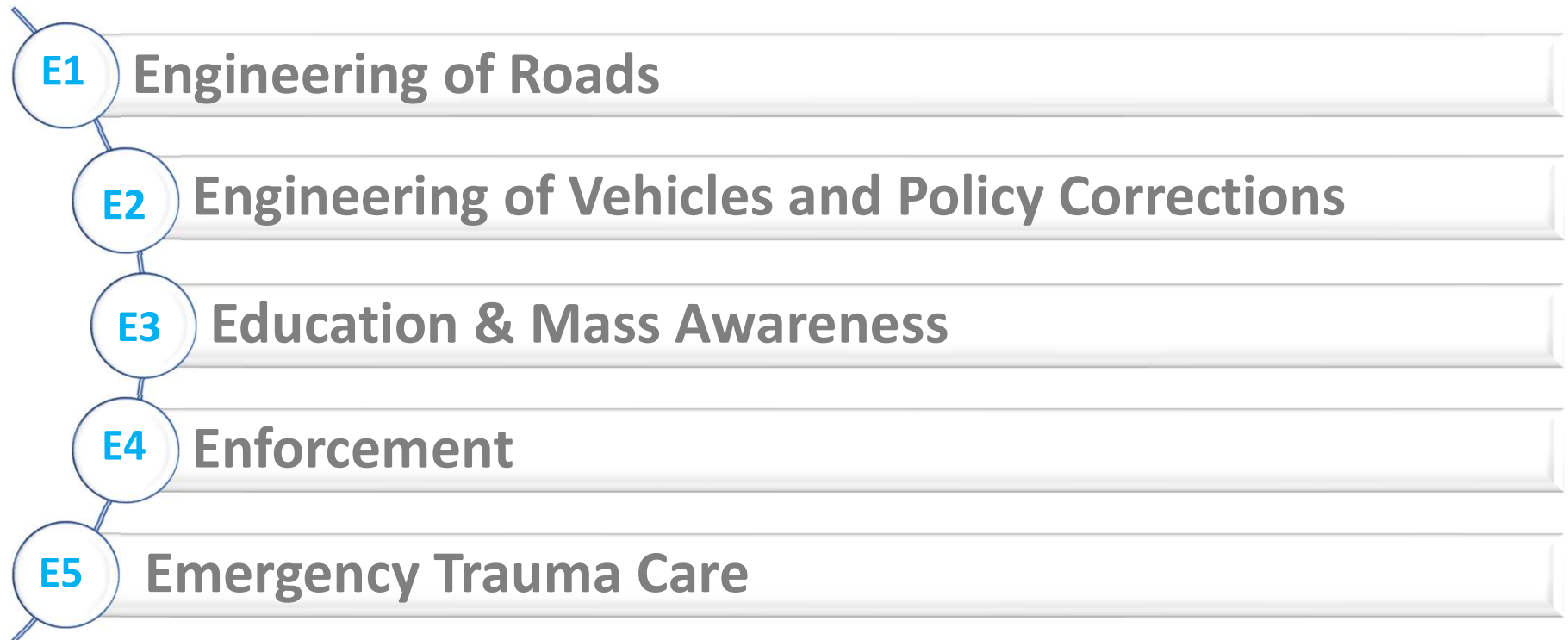
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ADOPTING 5E's FOR FAST TRACKING ROAD SAFETY

International Road Federation..... Flagship Programme 5 E



Engineering of Roads

- Road Safety Audit.
- Design corrections & BOQ.
- Submission to Authorities for Bids.
- Follow up to get the correction done.

Engineering of Vehicles & Policy Corrections

- Policy Corrections (FUPD, SUPD, RUPD, Retro-reflective tapes etc.)
- Advocacy for Mandatory Safety features in 2 wheelers/4 wheelers.
- Provision of other safety features such as Alcolock to reduce drunken driving.

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Education & Mass Awareness



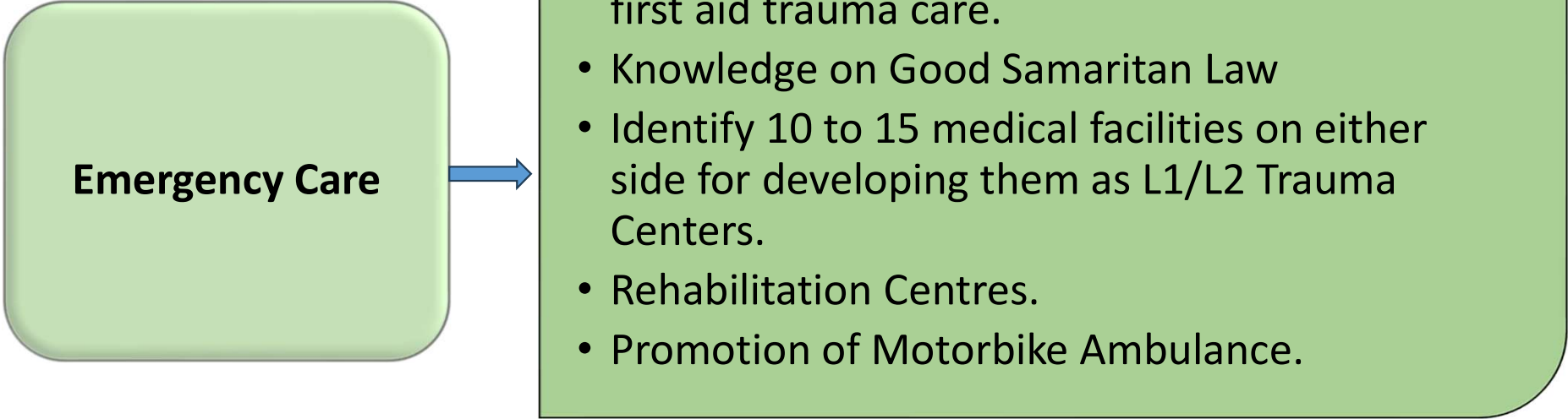
- Integrated Road Safety curriculum in schools (Grade 1-12).
- Road Safety Education- Training in Schools.
- Road Safety Anthem- 23 Indian Languages & 10 Foreign Languages.
- School Zone Safety Program across 1.5 million Schools in 5 years.
- Capacity Building of School Zone Safety Auditors.

Enforcement

- Training of Police Personnel on traffic management in association with IRTE.
- Training on Accident data collection (RADaR).
- Advance Traffic Management System on Highways.

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Emergency Care



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• Knowledge on Good Samaritan Law  
• Identify 10 to 15 medical facilities on either side for developing them as L1/L2 Trauma Centers.  
• Rehabilitation Centres.  
• Promotion of Motorbike Ambulance.]
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- Rehabilitation Centres.
- Promotion of Motorbike Ambulance.

MOTORBIKE AMBULANCE (MOTOLANCE)

Key Feature	Motolance - Stretcher Type
Purpose	For managing patients with both medical & surgical emergency
Patient's position	Lying on Stretcher in Supine Position
FRAAR (Multi-Terrain):	Fast Reliable/ Robust Advance Affordable Rescue System that is compatible as multi-terrain emergency response vehicle.
Patient's Comfort	Anti-Vibrational, Impact Resistant Viscoelastic Gel with anti-microbial coating* (Tapas Aasan) provided



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MOTORBIKE AMBULANCE (MOTOLANCE)

Key Feature	Motolance - Stretcher Type
Medical Devices Support Criterion	Side Carriage (Patient's Convener System) has sufficient space to accommodate number of medical devices support in line with Medium-to-Advance Life Support.
Multi-Channel Parameter for monitoring Patient's Vitals	5- Channel: SpO2; Blood Pressure; Pulse; Respiration Rate & ECG: Continuous Monitoring
Third Eye	Tablet or Android Mobile provided in front of driver exhibiting all vital signs while driving



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MOTORBIKE AMBULANCE (MOTOLANCE)

Key Feature	Motolance - Stretcher Type
Telemedicine or Live Ambulance	Available in Moto(S)-II variant onwards
Oxygen Support	Portable Oxygen provided for continuous support, In advance variants, Ucchvasita*- oxygen concentrator are available
Stretcher-lock safety	Lockable Stretcher ensuring complete restraining with no movement
GPS	GPS enabled System for Track and Trace of Patient



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MOTORBIKE AMBULANCE (MOTOLANCE)

Key Feature	Motolance - Stretcher Type
Beacon (Blue Flasher)	On Top of Patient Convener System
Emergency Siren	In front of vehicle towards driving side
Puncture Resistant Tyres	Puncture Resistant Tyres ensuring safe patient transfer from remote locations
Rain-Resistance	Provided with additional tear free vinyl or equivalent cover ensuring non-penetration with strong windy/ rains



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MOTORBIKE AMBULANCE (MOTOLANCE)

Third Eye and Telemedicine (live ambulance) facilitates the driver to stay connected with the Doctors in the Hospital live



AIRBAG MODULES FOR TWO-WHEELER VEHICLES

- When it is detected that there has been an impact, the airbag module inflates and deploys an airbag, which is responsible for mitigating the impact suffered by the rider.
- Most of these airbags protect riders in case of front collision only.
- Skidding is one of the major causes of two-wheeler accidents. The rider is not protected during skidding.
- The causes of skidding include sharp turns, unbanked turns, obstacles such as pebbles, water, oil spills etc.; sudden side traffic and pedestrians or pets crossings the road.

AIRBAG MODULES FOR TWO-WHEELER VEHICLES

The Airbag Apparatus includes:

- **Airbags for rider and pillion.**
- **Triggering mechanism consisting of sensors like impact and tilt sensors.**
- **Inflation mechanism which inflates Airbags once triggering mechanism is triggered. The inflation mechanism can consist of chemicals or Co2 cartridges.**

The airbag apparatus includes at least one sensor configured to track at least one safety parameter of the two-wheeler vehicle and activate the inflator, when a predetermined threshold of the at least one safety parameter is reached.

IRF - LED COALITION FOR ROAD SAFETY

- **Sustained Momentum for Road Safety**
- **Building Synergies through Programmes**
- **One Vision; One Mission**
- **Funding**
- **Public Private Partnerships**

COALITION PARTNERS

World Bank

Ministry of Road Transport &
Highways

National Highways Authority of
India

Indian Army, Indian Air Force

Maruti Suzuki Ltd.

3M

PVR NEST

Intel

Indian Head Injury Foundation

Avery Denison

COALITION PARTNERS

INDIAN ROAD CONGRESS

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