







# ROAD TRANSPORT AND HIGHWAYS

MORTH, GOVERNMENT OF INDIA

# Combating road fatalities with Integrated Road Accident Database

Building credible databases and establishing a uniform accident data collection mechanism in our country.

**R**oad accidents in India claim the lives of more than 1 lakh people annually. Most of them are young and this, thereby, robs the country of productive individuals who could have contributed to the growth of the nation. While India has one percent of the global vehicle population it has six percent of global road traffic accidents. It was imperative to come up with a data based solution to address this human loss, and for that, the first step was authentic data collection.

Integrated Road Accident Database (iRAD), an initiative of the Ministry of Road Transport and Highways (MoRTH), Government of



India, funded by World Bank and supported by Indian Institute of Technology (IIT), Madras and National Informatics Centre Services Incorporated (NICS) aims at building credible databases and for establishing a uniform accident data collection mechanism for India. The purpose of iRAD project is to provide such a mechanism to collect and analyse road accident data from all over the country to understand the causal factors of the accident and formulate new interventions and policies to facilitate reduction in the number of road accidents by enhancing road safety measures in India.

## ABOUT THE INNOVATION

The iRAD application is developed in both Mobile and Web platforms with necessary work flow processes, covering the nodal department viz. Police, Transport, Highways and Health. Provision is given to the police departments to enter basic accident details like date and time, location of the accident, details of vehicles, drivers, passengers and pedestrians. The iRAD project is live in 25 States/UTs.

## iRAD: WEB SERVICES

To fetch vehicle details and drivers licence, iRAD System is integrated with VAHAN AND SARATHI system. Furthermore, it will also be connected with Crime and Criminal Tracking Network & System (CCTNS) Application to pass the data for First Information Report (FIR) generation in association with National Health Authority (NHA), National Health Mission (NHM) and ambulance system for patient details.



Subsequently, in order to facilitate the victims for their timely claims and compensations and to reduce the pendency of the cases in the Motor Accident Claims Tribunals (MACTs), iRAD is further extended to provide necessary support to manage the entire process as **e-Detailed Accident Report (e-DAR)** at the instance of Hon'ble Supreme Court of India .

## SALIENT FEATURES

Available in Mobile (Android & iOS) and Web Platform.

Workflow Login Credential based access.

Local Language Interface and enabling the respective State for suitable translations.

Easy Data Entry – Drop-down selection using Check box and Radio Button.

Capturing of GPS Location of accident site with base map reference.

Customized look and feel for the respective States/Departments.

Highly scalable Modular architecture and Open Source Relational Database Management System (RDBMS) for storing Data.