Integrated Road Accident Database (IRAD) System

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Purpose

The primary purpose of IRAD is to enhance road safety, and thus endeavours to generate various types of insights through the Analytics Dashboard, Trend Analysis etc.

Key highlights

- Central accident database management system will help in analysing causes of road crashes and in devising safety interventions to reduce such accidents in the country.
- IRAD has been developed by the Indian Institute of Technology-Madras (IIT-M) and will be implemented by the National Informatics Centre.
- The project costs ₹258 crore and is being supported by the World Bank.
- The IRAD will be improved on the basis of the learnings from the trial, following which it will be rolled out across the country.

Six states identified for the pilot project(states with Highest fatalities)

1. Maharashtra
2. Karnataka
3. Madhya Pradesh
4. Rajasthan
5. Uttar Pradesh and
6. Tamil Nadu.

How does it work?

- The IRAD mobile application **will enable police personnel to enter details about a road accident, along with photos and videos, following which a unique ID will be created for the incident.**
- Subsequently, an engineer from the Public Works Department or the local body will receive an alert on his mobile device.
- He or she will then visit the accident site, examine it, and feed the required details, such as the road design.
- Data thus collected will be analysed by a team at IIT-M, which will then suggest if corrective measures in road design need to be taken.
- Road users will also be able to upload data on road accidents on a separate mobile application, which is expected to go live from April 1

Accidents in India

- India sees the largest number of road fatalities in the world.
- More than 1.5 lakh people lost their lives in road crashes in the country in 2018, according to government data.
- Of the total people killed in road crashes in 2018, 48% were between 18 years and 35 years old, and more than 60% of such fatalities were due to overspeeding.