



UP First in India to Use AI for Road Safety

Why in News?

Uttar Pradesh has become the **first Indian state** to launch an **Artificial Intelligence (AI)** and **Big Data Analytics based Road Safety Pilot Project**, approved by the **Ministry of Road Transport and Highways (MoRTH)**.

- The state government has **allocated Rs 10 crore in its 2025-26 Budget** to develop a '**data-driven administrative model**' for the Transport Department.

Key Points

- **Project Partners:** The pilot project will be **executed at no cost by the public sector enterprise ITI Limited**, in collaboration with the global technology **firm mLogica**.
 - **The Ministry of Road Transport & Highways (MoRTH) holds no financial liability for the project.**
- **Comprehensive AI Integration:** The project will **analyse accident reports**, weather conditions, vehicle details, **driver records**, and road infrastructure to identify **causes of accidents** and detect **black spots** on highways.
 - It will focus on data collection and the creation of a **predictive AI model** to trace accident patterns and high-risk zones.
- **Real-Time Dashboard:** A **policy dashboard** will be developed to monitor vehicle movements, violations, income records, and enforcement data — all in real time.
- **Fraud Detection & E-Challan Monitoring:** The system will automatically flag **fraudulent applications**, **track vehicle locations**, aid in **on-the-spot enforcement**, and **e-challan recovery**.
- **Wider Integration:** Around **5 crore vehicles** and **3 crore driving licence holders** will be linked to the system.
 - AI will be extended to **other transport services** like **faceless issuance of driving licences and permits**, application approvals, and document printing.
- **Legality of Project:** The Ministry also emphasized that the initiative must fully adhere to the **Motor Vehicles Act, 1988**, the Central Motor Vehicles Rules, 1989, and all road safety standard operating procedures (SOPs).