



KAMARAJ IAS ACADEMY
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Bharat NCAP 2.0

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Why in News?

- The **Ministry of Road Transport and Highways (MoRTH)** has released the **revised draft of Bharat NCAP 2.0**, expanding India's vehicle safety assessment framework beyond crashworthiness to holistic road safety.

Background

India accounts for **~11% of global road deaths**.

With rising motorization, lack of safety-rating awareness, and high accident severity, a robust in-country rating system was needed.

Bharat NCAP was first launched in **October 2023**; the 2025 draft strengthens its scope.

Key Features of Bharat NCAP 2.0

1 Expanded Assessment Framework (Five Areas)

Vehicle ratings will now be based on:

Crash Protection – occupant safety in frontal/side impact.

Vulnerable Road User (VRU) Protection – safety for pedestrians, cyclists, etc.

Safe Driving – evaluation of safety assistance features (e.g., ESC, lane assist).

Accident Avoidance – braking efficiency, stability control, ADAS-based warnings.

Post-Crash Safety – ease of rescue, fire safety, auto door unlock, e-call features.

2 Voluntary Programme: Manufacturers can voluntarily submit vehicles for testing.

3 Nodal Agency: **Central Institute of Road Transport (CIRT), Pune** is designated for rating and certification.

4 Testing Standards: Conducted as per **Automotive Industry Standard (AIS) – 197**.

5 Validity: Bharat NCAP framework remains valid **till 2027**, after which further revisions are expected.

About Bharat New Car Assessment Programme

India's first **in-country car safety rating programme**.

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Provides **star ratings** to passenger vehicles for consumer awareness and overall safety improvement.

Launched in **2023** and aligned with **global NCAP benchmarks**.

Significance of Bharat NCAP 2.0

1Consumer Empowerment: Increases transparency in vehicle safety, enabling informed purchases.

2Industry Push for Safer Designs: Encourages OEMs to adopt better crash structures, pedestrian safety measures, and ADAS features.

3Reduction in Road Fatalities: Supports India's commitment to the **UN Decade of Action for Road Safety (2021–2030)**.

4Global Alignment: Brings India closer to **Euro NCAP**, **ASEAN NCAP**, and **Latin NCAP** safety frameworks.

5Boost to Vehicle Exports: Higher domestic safety standards improve India's competitiveness in international markets