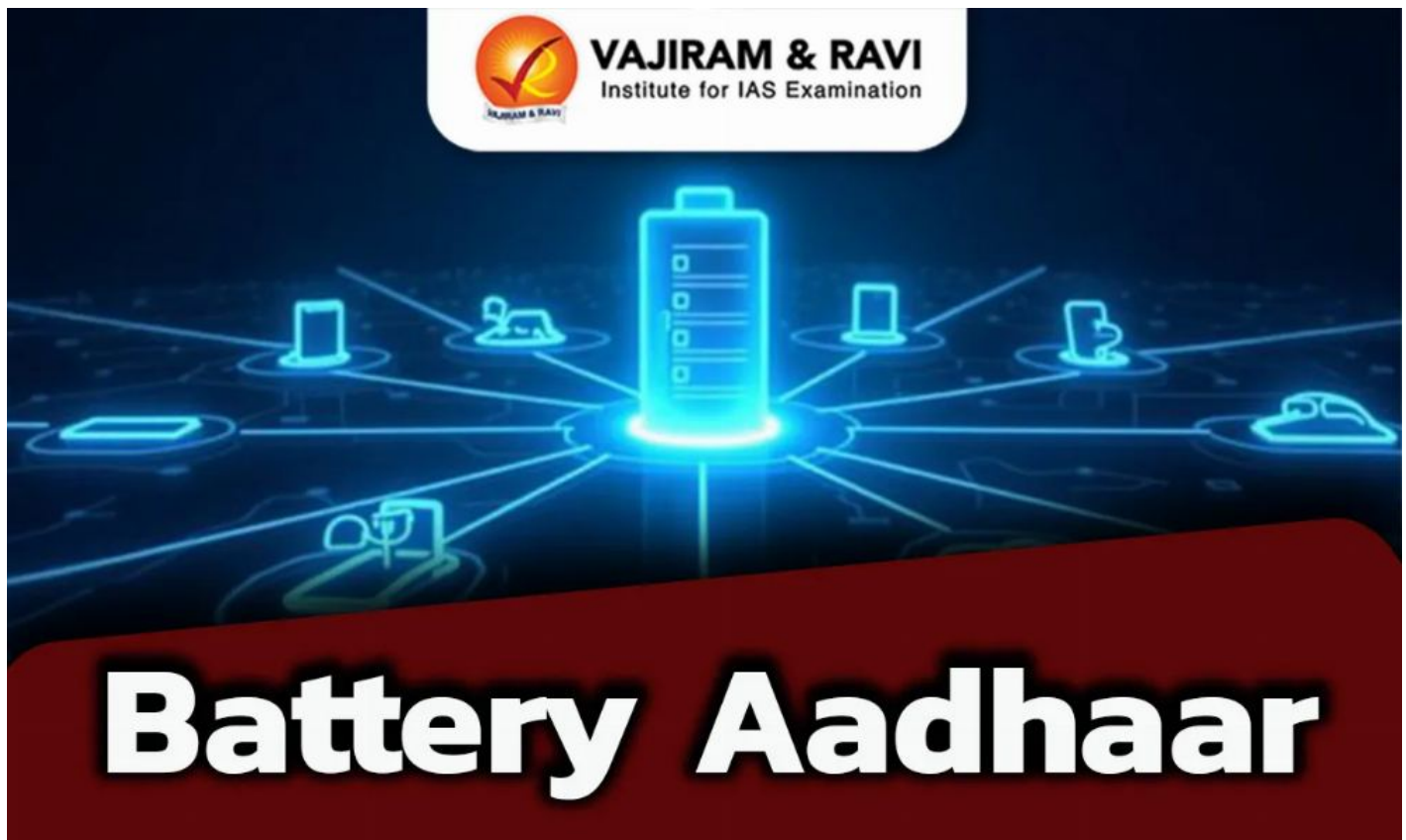


Battery Aadhaar Initiative

May 31, 2025 • vajiramandravi.com



Battery Aadhaar Initiative Latest News

Tata Elxsi, in collaboration with prominent consortium partners has showcased the innovative Battery Aadhaar concept at the Battery Summit 2025, organised by the World Resources Institute (WRI) India.

About Battery Aadhaar Initiative

- It aims to provide batteries with **secure, digital identities, facilitating traceability** and improving lifecycle transparency.
- This system would assign a **unique digital identity** to **each battery pack**, enabling the tracking of manufacturing origin, battery chemistry, safety certifications and lifecycle performance
- The initiative seeks to prevent **unsafe reuse and mitigate environmental risks**.
- This approach ensures compliance with regulatory **standards and promotes sustainable practices** within the battery industry.
- It is supported by a **UNEP-led programme named 'Electrifying Mobility in Cities'**, coordinated by NITI Aayog and the Department of Science & Technology, Government of India.

- Key features include **Digital Product Passport creation, lifecycle mapping**, public and private data access, **role-based dashboards**, and **real-time battery analytics** such as health prediction and residual life estimation.
- It is **built on blockchain, MOBIUS+** ensures transparent data flows and tamper-proof audit trails.
- This support highlights the initiative's alignment with India's broader sustainable mobility goals and efforts to establish circular energy systems.

Battery Aadhaar Initiative FAQs

Q1: What is electro-mobility?

Ans: E-mobility, or electromobility, refers to the use of electrified vehicles for transportation purposes.

Q2: What is the main purpose of UNEP?

Ans: UNEP's mission is to provide leadership and encourage partnership in caring for the environment by inspiring, informing, and enabling nations and peoples to improve their quality of life without compromising that of future generations.

Source: [BL](#)

Source: <https://vajiramandravi.com/current-affairs/battery-aadhaar-initiative/>

© Vajiram & Ravi. For personal use only.