Problem Statement: GREEN- TECH

The rapid growth of electronic waste (e-waste) poses significant environmental challenges, requiring efficient management solutions. To tackle this issue, an aggregator platform for e-waste management is proposed. This platform aims to connect multiple certified solution providers across various cities, streamlining e-waste management services such as collection scheduling, secure data wiping, refurbishment, and recycling. Leveraging advanced technologies like blockchain, IoT sensors, and AI algorithms ensures data security, transparency, and optimization throughout the e-waste lifecycle.

Key Points of the Problem:

1. **E-Waste Management Challenges:** The increasing volume of e-waste presents environmental hazards and sustainability challenges, necessitating effective management strategies.

2. **Aggregator Platform:** The platform connects certified e-waste solution providers from different cities, offering streamlined services for collection, data wiping, refurbishment, and recycling.

3. **Technology Integration:** Incorporating advanced technologies such as blockchain, IoT sensors, and AI algorithms enhances data security, transparency, and optimization across the e-waste management process.

4. **Innovative Features:** Introduction of features like carbon credits and environment points incentivizes responsible disposal and eco-friendly practices among users, promoting environmental stewardship.

5. **Circular Economy Transition:** By promoting collaboration and responsible practices, the platform contributes to India's transition towards a circular economy model, ultimately reducing environmental pollution caused by e-waste.