**2. History Leading to Project Request**

* **Land Fraud and Corruption:** Bangladesh has a long history of fraudulent land transactions, including fake documents, unauthorized land grabs, and double registrations.
* **Inefficient Paper-Based System:** The current land management system relies heavily on manual record-keeping, making it prone to errors, manipulation, and delays.
* **Legal Disputes:** A significant percentage of court cases in Bangladesh are related to land disputes due to conflicting ownership claims.
* **Government Initiatives:** Previous attempts at digitizing land records, such as the e-Mutation system, have improved efficiency but still lack full transparency and security.
* **Emerging Technologies:** The development of blockchain, GIS, and biometric systems provides an opportunity to modernize the land transaction process.

**3. Identify Problems, Issues, Concerns, and Opportunities**

**Problems & Issues:**

* **Land Ownership Disputes:** Inaccurate records and lack of a reliable verification system result in frequent legal conflicts.
* **Corruption and Fraud:** Fake documents, bribes, and manipulation of land records are common challenges.
* **Manual & Inefficient Processes:** Lengthy bureaucratic procedures delay land transactions and title verifications.

**Concerns:**

* **Data Security:** Ensuring that sensitive biometric and land records are protected from cyber threats.
* **Integration Challenges:** Combining blockchain, GIS, and biometric systems into a seamless solution.
* **Adoption Resistance:** Stakeholders may be reluctant to shift from traditional methods to a digital system.

**Opportunities:**

* **Digital Transformation:** The project aligns with Bangladesh’s vision for a ‘Smart Bangladesh’ by modernizing land administration.
* **Improved Governance:** Secure and transparent land records will reduce corruption and enhance public trust in the system.
* **Secure Land Ownership Verification:** Using blockchain and biometrics can eliminate identity fraud and unauthorized land transactions.