

Challenge Brief

Round:	TBA
Mode:	Challenge Competition
Team (a2i):	iLab
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Launch date:	Last week of May 2022
Challenge name:	Blockchain-based Traceability Challenge 2022

Objectives/rationale:

Export is important to modern economies as they play a core function in diplomacy and foreign policy between governments. Recently, it has been felt that foreign buyers and brands are demanding to integrate traceability technology such as Blockchain with the existing supply chain to retain data transparency across the value chain.

Problem statement: [the problem that needs to solve]

Map out, introduce and integrate all actors of a particular sector starting from the root level of the supply chain and cross-check at every possible point to bring digitalization and its proper use.

Outcomes/result: [e.g., commercially viable X number of products/services/solutions, sustainably impacts Y number of people, public good project for national interest in health/ education sector]

Blockchain technology for Bangladesh is a step toward complete modernization and improving the quality of business. With Blockchain the leather (currently exports \$784.98 million with a yearly growth rate of 29.61%) and food processing industry (currently export \$1 billion) or any other industrial sector can completely modify itself for the better export opportunities. It creates supply chain visibility and creates a quality control system. It provides privacy and security in a decentralized system.

Minimum viable features (if any):

Not limited to

- *Web/app-based interface with precise dashboard*
- *Database for storing information*
- *Compatible with multiple stakeholders/users (Use of Consensus algorithm)*
- *Product Specification Data (Product details)*
- *Digital signature, fingerprint, facial recognition, or any secured method for validation*
- *Use of industry-standard open-source hashing algorithm (SHA-256/SHA-512/SM-3/Keccak-256 or equivalent)*

Target audiences:

Industry Association (initially footwear and food processing Industry/association) and relevant government entity i.e. DGDA, Mood Ministry, Seed Certification Agency, Bangladesh Fisheries Development Corporation