

# ARCAnE

- **Domain: Sustainability**
- **Problem Statement Title: UpCycle Connect - A Hyper-Local Marketplace for Industrial and Lab waste**
- **Team Name: Axiom Works**
- **Team Members:**
  - **Member 1- Shruti Awasthi**
  - **Member 2 -Anish Deodhar**
  - **Member 3 - Japleen Kaur Arora**
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## IMPACTS

Usable industrial surplus is discarded due to lack of visibility and coordination.

*UpCycle Connect = a local sharing platform*

### Our Solution -

- Hyper-local platform connecting labs and students
- Admin-verified, request-based material sharing
- Location shared only after approval for safety

- Waste diverted from landfills
- Measurable CO<sub>2</sub> reduction
- Reduced demand for virgin raw materials, lowering mining and manufacturing impact
- Low transportation emissions due to hyper-local reuse of waste
- Promotion of a circular economy mindset within colleges and small industries

