



Open Agri Networks – Engineering Intern Assignment

Submission Deadline: 5th June 2025

Submission Format: GitHub Repo (with README and instructions)

Please mail your submissions to kathirvel@becknprotocol.io and cc dhiraj@becknprotocol.io


Part 1 – Agri Use Case Implementation Guide (Beckn Perspective)

Objective:

Prepare an implementation guide, a document that helps developers (network participants) understand how to integrate their systems (BAP/BPP) with a **Unified Krishi Interface** open network powered by the Beckn Protocol for a Agri use case (Soil Testing).

Instructions:

1. Describe the BAP-BPP roles clearly.
2. Define:
 - What entities are involved? (Farmer, aggregator, buyer, extension agent etc.)
 - Who plays which role on the network?
3. Create a simplified DOFP (Discovery → Order → Fulfillment → Post-fulfillment) journey.
4. Include:
 - API call sequence (search → on_search → select → ... etc.)
 - Sample request & response payloads (JSON)
 - High-level flow diagram (optional but preferred)
 - Any relevant tags/taxonomy assumptions
 - Challenges/assumptions in the use case
 - Developer notes if any.

Use Case:  Soil Testing | Outcome Visualization | UKI

Resources: [Beckn Protocol](https://becknprotocol.io)

Part 2 – Simple Frontend Setup (Non-Beckn)

Objective:


Create a simple frontend using WordPress for an agri-service platform. No Beckn integration required here.

Instructions:

1. Build a WordPress site (or provide a Figma mock + React/HTML sample if no WordPress experience).
2. The site should include:
 - A Homepage with intro to the agri service
 - A Call to Action section with 2 buttons:
 - "Join as Farmer"
 - "Join as Buyer"
 - A Signup form capturing:
 - Name
 - Role (Farmer / Buyer)
 - Phone number
 - District / State
3. Add a simple "Thank you" message after form submission.
4. Save responses to a Google Sheet or a simple backend.

✓ Evaluation Criteria

Area	Weight
Beckn Protocol Understanding	50%
Code Quality & Clarity	20%
UI/UX Simplicity	10%
Problem Solving & Assumptions	10%
Communication (README, structure)	10%

 All the best!

We're excited to see how you think, build, and bring open agri networks to life. If you've worked with Beckn before, now's your chance to show it. Let's build the future of agriculture together. 🌾