TRACK 2 WORKSHEET — Data-Driven Impact Measurement

Team Name: _____

Members: _____

DESCRIPTION

Build systems that track, analyze, document, and showcase environmental impact. Could include: tree planting and survival tracking, nursery mapping, dashboards, biodiversity history, climate data visualization, monitoring & evaluation tools, and structured data workflows.

Sprint 1: Problem → Solution Clarity (11a.m - 12pm)

Objective: Define your solution clearly and set the scope of your prototype.

Questions to Answer:

1. What is the specific problem your team is solving?
2. Who is your target user?
3. What is the main use case for your solution?
4. What are the core features of your MVP (Minimum Viable Product)?
5. Can you create a simple diagram or user flow to show how your solution works?

Mentor Support: Mentors will help you validate assumptions and ensure your solution is feasible and relevant.

Sprint 2: Prototype Blueprint (Noon - 1p.m)

Objective: Prepare a ready-to-build prototype plan.

Questions to Answer:

1. Can you create a rough wireframe or data flow for your solution?
2. What are the final features your team plans to build by the end of the coming week?
3. Who is responsible for each part of the build?
4. Are there any technical questions or architectural considerations you need guidance on?
5. Is your prototype feasible with the resources and skills your team has?

Mentor Support: Mentors will provide guidance on technical direction, architecture, and feasibility.

Sprint 3: Build Sprint (2p.m 3p.m)

Objective: Bring your prototype to a functional state and organize it for smooth iteration, collaboration, and feedback.

Prototype Essentials – What You Should Have:

1. **Project Repository & Documentation**
    - A central repo (e.g., GitHub, GitLab, Bitbucket) for your code and project files.
    - A **clear ReadMe** explaining: the problem, solution, core features, and how to run/test the prototype.
    - Tools: GitHub, GitLab,
2. **Backend / Logic**
    - Core solution logic implemented, e.g., data processing, calculations, workflows.
    - Must be testable and clearly connected to the solution.
    - Tools: Supabase, Firebase, Python/Node scripts,
3. **Frontend / Interface**
    - An initial interface or prototype screens that reflect your solution flow.
    - Should communicate your idea and allow basic interaction.
    - Tools: Figma,, V0.dev,

4. **APIs & Integrations**
    - Any external services, datasets, or APIs integrated to demonstrate your solution.
    - Should clearly support the core functionality.
    - Tools: REST APIs, OpenAI API, Google Maps API, public datasets,
5. **Team Workflow & Responsibilities**
    - Clear ownership of tasks for each team member.
    - Organized communication and progress tracking.
    - Tools: Whatsapp group
6. **Rapid Prototyping / Vibe Coding Tools**
    - Tools to accelerate prototype creation, reduce repetitive work, and quickly test ideas.
    - Examples: Windsurf, Cursor IDE, GitHub Copilot, TailwindCSS,
7. **Mentor Support & Checkpoints**
    - Identify any blockers where guidance is needed.
    - Be ready to show your progress to mentors for quick validation and advice.