

### **Observation from the Project:**

This project was a completely new experience for me, and I gained a lot from it, especially in terms of learning new techniques and processes. I also developed a deeper understanding of team management and how to handle group tasks effectively. A major lesson I took from this project was the importance of strong teamwork, where open communication and collaborative problem-solving are essential. Despite having diverse perspectives and ideas, we worked on building mutual understanding and adjusting to evolving requirements and feedback. We allocated different parts of the project to each team member while collaborating on shared tasks to achieve our goals. Throughout the process, we conducted thorough research and held regular meetings with stakeholders. We encountered various technical challenges, which required unique solutions, highlighting the need for continuous learning and skill development within the team.

### **What went well, what should have been done differently:**

The project team focused on preparing the land, building the factory, and hiring early. They used Agile Scrum to manage the complex work and completed the project in 12 weeks. The team collaborated well to avoid delays and regularly involved stakeholders to stay on track. They adapted to challenges, especially in adding sustainable features. However, better planning, earlier testing, and hiring, as well as more resources, could have helped prevent delays and last-minute changes. Which we were faced the problem.

### **How well did your team succeed in estimate and sprint planning:**

The team did an excellent job with estimating and planning the sprint. Despite the project's complexity, they set an ambitious 12-week timeline. They used a clear product backlog, phased approach, burndown chart, and Agile Scrum methodology to ensure the project's success. Their high level of project management expertise was demonstrated through their ability to set ambitious goals, break down the project into manageable phases, and effectively track progress while remaining adaptable to change.

### **How was your product owner:**

My product owner is very nice and understanding. He is helpful and collaborates well with all my teammates, especially during project work.

### **What did you learn about Scrum as a project management method:**

From this project, I learned that Scrum organizes work into short, focused sprints with clear goals. This helps keep progress steady and teams focused on tasks. Scrum is flexible, allowing teams to adjust plans when challenges come up. It encourages teamwork and uses roles like the Scrum Master to solve problems. Tools like burndown charts track progress, and regular testing ensures issues are caught early for successful project completion.

### **What roles are included in Scrum project? What tasks do these roles entail:**

In the Scrum project, several roles work together to build an ecological fuel factory and community. The **Product Owner**, Khuman Singh Rana, sets the project vision and prioritizes tasks. The **Scrum Master**, Me (Parth Mangukiya), ensures the team follows Scrum principles and stays on track. The **Development Team**, including construction workers, HR, marketing, and project members, handles building, hiring, and community engagement. Together, they work efficiently to complete the project on time and sustainably.