## **Team Working Agreement – Phytora**

### **1. Purpose & Scope**

This agreement establishes collaboration guidelines for the development of Phytora by Team Salaar. An approved agile-based development cycle ensures efficient execution, accountability, and an efficient framework while maintaining shorter development best practices.

### **2. Roles & Responsibilities**

* **Frontend Developer (FE)**: Builds and optimizes the Next.js UI, ensuring seamless interaction with the backend.
* **Backend Developer (BE)**: Develops Node.js APIs, integrates with FastAPI, and handles database interactions.
* **Machine Learning Engineer (MLE)**: Trains and fine-tunes efficient ML models, manages datasets, and ensures accurate model predictions.
* **QA / DevOps Engineer**: Conducts testing, bug fixes, ensures performance optimization, and validates deployment readiness.

All members are responsible for delivering assigned tasks, maintaining quality, and proactively communicating challenges.

### **3. Sprint Planning & Retrospective**

* **Sprint End**: Monday retrospective to review achievements, blockers, and process improvements.
* **Sprint Planning**: Wednesday – Define tasks, assign responsibilities, and set objectives for the next sprint.

### **4. Communication & Collaboration**

* **WhatsApp** – Daily updates and quick discussions.
* **Google Meet** – Sprint planning, retrospectives, and issue resolution meetings.
* **Trello / Jira** – Task management, tracking workflow, and accountability.

### **5. Development Workflow & Code Management**

* **Version Control** – Use GitHub with feature branching and PR reviews before merging.
* **Testing & Quality Assurance** – Implement end-to-end integration tests, followed by manual verification.
* **Deployment** – Continuous testing and incremental deployment for stability.

### **6. Accountability & Conflict Resolution**

* Team members must proactively report blockers.
* Issues should be discussed and resolved within the team.
* Repeated delays or unresponsiveness may result in task reassignment.

### **7. Work Hours & Availability**

* **Commitment**: 10-15 hours per week per team member.
* **Work Flexibility**: Tasks must align with sprint goals.

### **8. Agreement & Commitment**

All members agree to uphold this agreement to ensure efficient collaboration, high-quality development, and the successful delivery of Phytora.