GFIS ECOTWIN

Team responsibility booklet

Chatake Innoworks Private Limited
SIH engineering programme · 9 September 2026

Vijayalaxmi Kalidas Sundalam · CO

Team Leader · system integration. Own acceptance criteria, integration, traceability and final demonstration. Open the pitch with the operator problem. Deliverables: Integration checklist, release review, opening minute. Previous project: Apollo AgriIntel.

Sunaina Shashikant Gaikwad · IT

Data and ML lead · second presentation pair. Audit units and time order, implement persistence evaluation, curate model evidence and explain the measured replay. Deliverables: Dataset dictionary, evaluation notebook, data and model explanation. Previous project: Apollo AgriIntel.

Shweta Laxmikant Vibhute · CO

Sensor gateway and telemetry. Translate experience in monitoring into probe interfaces, packet schema, timestamp checks and hardware bench tests. Deliverables: ESP32 packet emulator, wiring plan, calibration log. Previous project: Apollo PashuSense.

Samina Mahemood Shaikh · CO

Alerts and event memory. Implement missing-sensor handling, alert lifecycle, acknowledgement and exports. Pair with Shweta on telemetry failures. Deliverables: Alert tests, event schema, replayable incident file. Previous project: Apollo PashuSense.

Sneha Mallinath Wale · IT

3D plant twin and ROS2 visualisation. Use ROS2 experience to develop 3D plant assets, sensor hotspots and state animation; define the planned ROS2 topic-to-scene mapping. Deliverables: 3D asset map, scene interactions, ROS2 topic mapping. Previous project: Apollo ARGUS.

Sakshi Ajay Malwadkar · CO

3D twin integration, ROS2 replay and verification. Use ROS2 experience to integrate the 3D twin, design the planned telemetry/replay bridge and verify timestamp synchronisation, scenarios and recovery. Deliverables: Twin integration tests, ROS2 replay plan, offline demonstration. Previous project: Apollo ARGUS.

Mentoring and review

Industry mentor: Akash Shivadas Chatake, Chatake Innoworks Private Limited. College guide: Prof. N. K. Mane, HOD, CO Department. Proposed responsibility assignments are based on Apollo project participation. They are not a certification of individual technical proficiency.