GFIS ECOTWIN

Presentation script and judge questions

Chatake Innoworks Private Limited
SIH engineering programme · 9 September 2026

00:00–00:30 · Vijayalaxmi · opening pair

Introduce SIH26200, Software, Renewable / Sustainable Energy. Explain the bioenergy operator problem, GFIS EcoTwin and the distinct student contribution.

00:30–01:00 · Sakshi · opening pair

Explain how her ROS2 experience supports the planned sensor-topic, timestamp and replay bridge to the 3D twin. Identify the working Three.js scene and the ROS2 connection still to be developed.

01:00–01:30 · Sunaina · second pair

Show measured RBL/SBL observations, the dataset citation, timestamps, units and missing values. Explain persistence and the linked GFIS XGBoost/LSTM evidence.

01:30–02:00 · Sneha Wale · second pair

Show the 3D digester and sensor hotspots. Change replay position or a synthetic scenario and explain how the same state updates the scene and operator panel. Describe her planned ROS2 topic mapping.

02:00–02:30 · Samina · third pair

Trigger sensor loss, explain the alert reason and coverage, then save, acknowledge and export the event.

02:30–03:00 · Shweta · third pair

Explain the telemetry schema, probe/emulator distinction and the next supervised acquisition test. Close with the reproducible workflow and project URL.

Speaking roles and engineering ownership

Vijayalaxmi remains Team Leader. Opening: Vijayalaxmi and Sakshi. Second layer: Sunaina and Sneha Wale. Third layer: Samina and Shweta. Existing technical ownership remains; speaker order does not imply completed ROS2 or physical hardware integration.