

Agri Hackathon 2026

One Grand Challenge. Ten Sub-Challenges.

Greenzy is bridging the gap between academic learning and industry-readiness in Protected Cultivation, Hydroponics, and Controlled-Environment Agriculture — starting with the engineers who'll build its next systems.

₹1,50,000 total prize pool — ₹1,00,000 for the Grand Challenge, ₹5,000 for each of the ten Sub-Challenges. Among the highest prize pools currently on offer in Tamil Nadu for a college-level symposium, tech fest, or hackathon.

THE GRAND CHALLENGE

₹1,00,000 Prize

Polyhouse Digital Twin: a CFD Simulation Engine. Build a working prototype, simulation, or platform (a CFD model, a physics-informed simulation, or your own approach) that takes a polyhouse's structural & environmental variables — geometry, ventilation, shading, climate, crop stage — and predicts temperature, humidity, and airflow distribution. Feeds directly into Greenzy's Digital Twin roadmap. **Deliverables:** working prototype + PPT + technical documentation + working notes & proof.

TEN SUB-CHALLENGES (paper / PPT / concept pitch — no prototype required — ₹5,000 prize each)

01 Low-Cost Sensor Swarm ₹5,000

Electronics / Electrical

02 Smart Fertigation Scheduler ₹5,000

AI/ML / CS

03 Phone-Camera Crop Stress Screening ₹5,000

AI/ML / CS

04 Structural Cost-Down Study ₹5,000

Civil / Mechanical

05 Energy-Efficient Climate Control ₹5,000

Electrical / Mechanical

06 Predictive Equipment Maintenance ₹5,000

Electronics / CS

07 Circular Input Loop ₹5,000

Mechanical / Agri

08 Farmer-Facing Diagnostic Assistant ₹5,000

CS / AI/ML

09 Low-Cost Post-Harvest Cold Chain ₹5,000

Mechanical / Electrical

10 Yield & Revenue Forecasting Model ₹5,000

AI/ML / CS / Agri

HOW IT RUNS

01	Communicated to colleges	End of September 2026
02	Awareness workshops & interest collection	October 2026
03	Team registration deadline	By 5 November 2026
04	Build phase	6 Nov – 5 Dec 2026
05	Submission	6 – 10 Dec 2026
06	Evaluation	11 – 13 Dec 2026
07	Sub-Challenge pitching	14 – 15 Dec 2026
08	Grand Challenge pitching, results & prize money	16 Dec 2026

WHY IT'S WORTH YOUR TIME

- A ₹1.5 lakh prize pool — among the highest on offer in Tamil Nadu for a college-level event right now
- A direct line into Greenzy across Civil, Mechanical, AI/ML, CS, Electrical & Electronics roles
- A problem pulled from a real, active polyhouse — not a hypothetical
- Mentorship from Greenzy's own technical and field teams
- A shot at building the first piece of Greenzy's Digital Twin



Apply or learn more:

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Educational Institutions Outreach — Greenzy