GOBS

Geospatial Open Building Stack

HACKATHON

DE-CODE THE DISTRICT

ABOUT THE HACKATHON

THE CHALLENGE

Cities are complex systems shaped by energy use, heat stress, and infrastructure decisions. Through this hackathon, AEEE is opening access to its Geospatial Open Building Stack (GOBS), an open, high-resolution dataset of building-level attributes available at

GOBS Website

Participants are invited to work directly with this dataset to conduct rigorous analysis or develop technical proof-of-concepts that demonstrate new ways to plan, power, and protect urban regions.

PROBLEM STATEMENT

Participants must perform a deep-dive data analysis or develop a working prototype for a selected district or Union Territory that addresses a critical urban challenge using the GOBS dataset.

Participants will work in teams to analyse data or build a prototype for one district or Union Territory using the GOBS dataset, and submit their work for evaluation.

GEOGRAPHIC FOCUS

Each team must select one district or Union Territory. Any geography available within the GOBS dataset may be chosen. The following district typologies are suggested, but not mandatory:

- New Delhi (NCT)
- Mumbai, Maharashtra
- Gurugram, Haryana
- Ahmedabad, Gujarat
- Bengaluru Urban, Karnataka
- Ernakulam, Kerala
- Chennai, Tamil Nadu

WHO CAN PARTICIPATE

To ensure fair evaluation, the hackathon is structured across two tracks.

Track 1: Academic

Eligibility: Undergraduate, postgraduate, and PhD students

Team Composition:
- All team members must be currently enrolled students
- Faculty mentors are permitted

Team Size: Minimum 2 and maximum 5 members

Track 2: Young Professionals

Eligibility: Early-stage startups, research associates, NGOs, independent consultants, and working professionals

Team Composition:
- All members must be non-students
- Mixed teams, including students, must register under the Academic track

Team Size: Minimum 2 and maximum 5 members

AWARDS AND OPPORTUNITIES

Total Prize Pool
INR 65,000

Track 1 Academic Awards

- Winner: INR 20,000
- Runners-up: INR 5,000 each for two non-winning finalists
- Internships: Select participants may be offered internship opportunities at AEEE
- Certificates: Participation and winner certificates

Track 2 Young Professionals Awards

- Winner: INR 20,000
- Runners-up: INR 5,000 each for two non-winning finalists
- Strategic Collaboration: Opportunity to work with AEEE on live projects using the GOBS platform
- Certificates: Participation and winner certificates

ELITE POSTER SHOWCASE

- Best Poster Award: INR 5,000
- Certificates: Participation and winner certificates

HOW THE SELECTION WORKS

Following pre-registration, there are no preliminary rounds. Teams will be evaluated on a single comprehensive submission.

PHASE 1: DIRECT SUBMISSION

Teams must submit a complete technical package by the deadline, including:

- Evidence of code or workflows used
- Visualisations or analytical outputs
- Final presentation deck

PHASE 2: SHORTLISTING

An expert jury will review all submissions and shortlist:

- Top 3 Academic teams for the Grand Finale stage pitch
- Top 3 Young Professional teams for the Grand Finale stage pitch
- Next best 10 teams for the Elite Poster Showcase

PHASE 3: GRAND FINALE (LIVE EVENT)

- **Stage Pitch:** Top 6 teams present live with a 10-minute presentation followed by a 5-minute question-and-answer session
- **Poster Showcase:** Shortlisted teams present their work through A1 posters, evaluated by judges during designated breaks

📅 KEY DATES

- ◉ **Pre-registration (Interest Check):** Opens 20 December 2025
- ◉ **Registration and Main Submission:** Opens: 5 January 2026
- ◉ **Submission Deadline (Code and Deck):** 16 January 2026
- ◉ **Finalists Announcement:** 27 January 2026
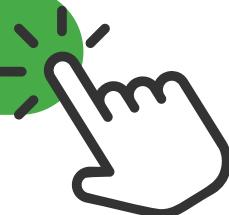- ◉ **Grand Finale (Live Pitch):** 4 February 2026

HOW TO APPLY

PRE-REGISTRATION OPEN

Expressions of Interest are currently being accepted. Participants are encouraged to pre-register to receive early access to the GOBS dataset, the participant technical guide, and invitations to orientation webinars.

CLICK HERE

to pre-register

Pre-registration takes approximately one minute and does not require a proposal submission at this stage.

Please note that further details on judging rubrics, technical guidance, and operational logistics will be shared with registered participants.

For any queries, write to us at gobs@aeee.in.