SDG XI HACKATHON 2025
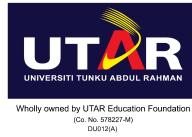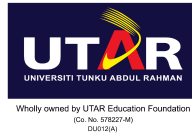
PARTICIPANT GUIDELINE DOCUMENT

1. Introduction

The SDG XI Hackathon 2025 is a collaborative innovation event focused on designing **AI-powered solutions** that support the development of smarter, healthier, and more sustainable cities. Participants will work in teams to solve challenges related to:

- **Urban health & well-being (SDG 3)**

- **Clean and efficient energy systems (SDG 7)**

- **Sustainable mobility and livable communities (SDG 11)**

The hackathon encourages creativity, interdisciplinary teamwork, and impactful solutions that use real-world data and modern AI technologies.
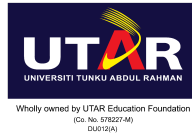
2. Hackathon Themes & Problem Statements

Although themes exist, **specific topics will NOT be assigned before the event**.
To ensure fairness:

- Participants will receive their **topic/category (C1, C2, C3, etc.) during the Preliminary Round**.

- Team numbers (**G1, G2, G3…**) will be assigned upon registration.

- Submission formats will follow the *C#G#* structure after topics are revealed.

This prevents teams from preparing solutions in advance and ensures equal opportunity.

Regarding the track/topic changes, we applied a first-come, first-served system. Therefore, if your confirmed topic differs from the one you initially selected, it means that the original topic had already reached full capacity.

3. Code of Conduct

To ensure a positive experience for all, participants must follow these principles:

Respect & Inclusivity

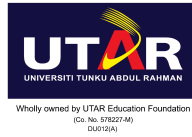All participants must treat others with respect regardless of background, gender, age, or technical skill level.

Zero Tolerance Policy

The following behaviors will result in immediate disqualification:

- Harassment or bullying

- Discrimination of any kind

- Sabotage of other teams' work

- Unethical or dishonest conduct

Professionalism

Participants must maintain a collaborative and supportive environment throughout the hackathon.

4. Hackathon Rules

Originality of Work

- All submitted work must be created **during the hackathon period**.
- Use of pre-trained models or open-source libraries is allowed **only if properly credited**.

Use of Data

Allowed:

- Open data
- Public datasets
- Provided official hackathon datasets

Not allowed:

- Proprietary or confidential data without permission

Team Collaboration

- Teams may not split into sub-teams working on different concepts.
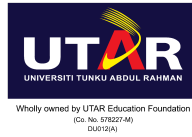- Each team must submit **ONE final project**.

AI Usage Disclosure

Participants must specify:

- Which AI tools were used
- Which parts of the solution were AI-generated
- Which datasets were used

Time Compliance

Late submissions will not be evaluated unless organizers announce otherwise.

5. Submission Requirements

Submission Components (No change, but clearer)

Each team must submit:

1. **Pitch Deck (PDF/PPT)**
2. **Prototype or demo (website, app, model, dashboard, or simulation)**
3. **Demo & Pitch Video (3 minute for demo , 10 minute for presentation)**
4. **Source Code**

All teams must follow a **standardized file naming format** for fairness and easy identification.

File Naming Format

Since topics will only be announced during the **Preliminary Round**, all teams must name their files using the following structure:
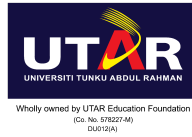
C#G#_type

Where:

- C# = Category/Topic number assigned during Preliminary Round
- G# = Group/Team number assigned at registration
- type = file type (video, report, prototype)

Examples:

- C1G2_video
- C1G2_report
- C1G2_prototype
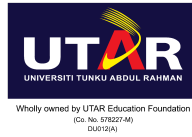
This ensures consistent and anonymous judging.

6. Prizes & Benefits

The SDG XI Hackathon 2025 will award the top-performing teams with the following cash prizes:

🥇 **1st Place** **:** RM 1,500
🥈 **2nd Place** **:** RM 1,000
🥉 **3rd Place** **:** RM 500

Additional benefits include:

- Certificates for all participants
- Post-event opportunities such as incubation, partnerships, and exposure (depending on performance)
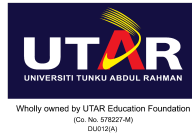
7. Mentorship & Support

Mentorship Availability

To ensure fairness, mentorship will only be provided during the **Preliminary Round**, after topics are officially announced.

Mentorship Format

- Scheduled **mentorship sessions** will be announced during the preliminary round.

- Teams may ask mentors for guidance on:

  - Understanding the topic
  - Dataset selection
  - Technical direction
  - Feasibility analysis

Note: Mentors may guide and advise, but cannot directly build the solution for your team.

8. Tools & Resources

AI & Machine Learning Tools

- **TensorFlow / PyTorch** for model building

- **sklearn** for classic ML

- **OpenAI API** for generative or analytical tasks

- **HuggingFace** for NLP/vision models

- **Google Colab** for quick training

Geospatial & Mapping Tools

- **QGIS**, **ArcGIS** for location-based modeling

- **OpenStreetMap** tools for routing and mobility

- **Leaflet.js / Mapbox** for visual dashboards

Data Sources

- All official datasets provided by organizers

- Public government portals

- Relevant datasets from Kaggle

Participants are encouraged to combine AI models, visualization tools, and open data to produce powerful solutions.