

Guidelines for Technical Write-Up

Hackathon – AI Global Summit 2025

Jointly Organized by VSSUT, Burla & Utkal University, Vani Vihar, Bhubaneswar

Sponsored by Department of Higher Education, Government of Odisha

1. Introduction

All students participating in the Hackathon at the AI Global Summit 2025 are required to submit a **Technical Write-Up** describing the innovative idea, prototype, or solution they will showcase. The document will undergo review by a panel of three experts. After approval, it will be forwarded for **copyright grant through IP India**, and subsequently published in the **Special Issue on AI Global Summit of the UUJCC Journal**, published by the P.G. Department of Computer Science & Applications, Utkal University.

These guidelines ensure uniformity, clarity, and completeness of submissions.

2. Structure of the Technical Write-Up

Each team must prepare the technical document strictly using the following structure and sequence for uniformity:

2.1 Title

- Concise, specific, and reflective of the project idea.
- Avoid abbreviations unless widely known.

2.2 Authors' Details

Provide the following for all team members:

- **Full Name**
- **College/Institute Name**
- **Email ID (official/personal)**
- **Mobile Number**

2.3 Mentor Details

- **Name of Faculty Mentor**
- **Designation and Department**

- **College/Institute**
 - **Email ID and Contact Number**
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3. Main Content Sections

3.1 Abstract (150–250 words)

- A brief summary of the problem, proposed solution, methodology, and expected outcomes.
- Should be clear enough for experts to understand the key contributions at a glance.

3.2 Introduction

- Background and context of the problem.
- Significance, motivation, and existing challenges.
- Relevance of the idea to current AI/technology trends.

3.3 Uniqueness of the Idea

- Explain what makes the solution novel and distinctive.
- Highlight innovation, creativity, or technical advancement.
- Mention existing approaches and how your idea improves them.

3.4 Competitor's Analysis

- Identify existing products, tools, startups, or research addressing similar problems.
- Provide a brief comparison (features, limitations, performance gaps, cost factors).
- Show how your solution stands out.

3.5 Technical Description

This section should be detailed and well-structured.

3.5.1 Hardware (HW) Components

- Sensors, microcontrollers, devices, cameras, robotics components, etc.
- Justify the choice of hardware.

3.5.2 Software (SW) Components

- Programming languages, libraries, AI/ML models, frameworks, cloud platforms, databases, APIs, etc.
- Include architecture diagrams if possible.

3.5.3 System or Architecture Overview

- Explain the workflow of the solution.
- Describe algorithms, data flow, and key design decisions.

3.6 Domain Targeting

Specify the primary application domain(s), such as:

- Healthcare
- Agriculture
- Smart Cities
- FinTech
- Education
- Cybersecurity
- Industry 4.0
- Environment & Sustainability
- Disaster Management
- Accessibility / Social Impact
(Choose only the relevant domains.)

3.7 Sustainable Development Goal (SDG) Alignment

Identify which UN Sustainable Development Goal(s) your solution addresses.

Examples:

- SDG 3: Good Health & Well-Being
- SDG 4: Quality Education
- SDG 7: Affordable & Clean Energy
- SDG 11: Sustainable Cities & Communities

- SDG 13: Climate Action
Explain the connection clearly.

3.8 Final Outcome

- Describe the expected results, prototype functionalities, performance indicators, impact, scalability, and future scope.
 - If applicable, include screenshots, diagrams, or result illustrations.
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4. Formatting Guidelines

The preparation of the technical writeup preparation will be guided by our volunteers from time to time as per the following criteria.

- **Document Length:** 4–8 pages.
 - **Font:** Times New Roman, 12 pt.
 - **Line Spacing:** 1.15
 - **Margins:** 1 inch on all sides
 - **File Format:** PDF
 - **Figures & Tables:** Must be labeled and referenced in text.
 - **References:** If external sources are used, follow standard citation format (APA/IEEE).
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5. Review and Evaluation Process

1. Each submission will be evaluated by **three domain experts** on:
 - Innovation & Uniqueness
 - Technical Depth
 - Relevance & Feasibility
 - Social and Environmental Impact
 - Alignment with AI Global Summit themes
2. The experts may suggest revisions before approval.
3. Only approved documents will be forwarded for **copyright grant** through IP India.

6. Publication

The AI Global Summit team will go for Copu Right Grant of selected Ideas after showcase is over. Next All selected and copyright-approved submissions will be published in the: **Special Issue on AI Global Summit – Utkal University Journal of Computing and Communications** a **Biannual Journal** Published by: **P.G. Department of Computer Science & Applications, Utkal University**

7. Submission Instructions

- Submit the technical write-up PDF via the official Hackathon portal/email (to be announced).
- File name format:
TeamName_Title_AI_GS2025.pdf
- Late submissions will not be accepted.

8. Contact Information

For any clarifications, teams may contact the event coordinators of:

- **VSSUT, Burla**
- **Utkal University**
(Detailed contact information will be provided in the event circular.)

Technical Write-Up Template AI Global Summit 2025 Hackathon

Title:

Authors' Details:

- Name:
- College/Institute:
- Email ID:
- Mobile Number:

Mentor Details:

- Name:
- Designation:
- Department:
- College/Institute:
- Email ID:
- Mobile Number:

Abstract (150–250 words):

1. Introduction:

2. Uniqueness of the Idea:

3. Competitor's Analysis:

4. Technical Description:

- 4.1 Hardware Components:
- 4.2 Software Components:

4.3 System/Architecture Overview:

5. Target Domain:

6. Sustainable Development Goals (SDGs) Alignment:

7. Final Outcome:

References (if any):