

# Hack2Hire Hackathon Overview

The **Hack2Hire Hackathon** is a competitive event designed to encourage innovation and creativity among participants. It offers a platform for individuals and teams to develop unique solutions to real-world problems using a wide range of technologies. The hackathon is divided into two stages: **Round 1** focuses on idea presentation, and **Round 2** centers on project implementation.

Hack2Hire provides an opportunity for participants to showcase their problem-solving skills, technical expertise, and creative thinking. With over 600 teams participating, the hackathon covers various themes and problem statements, ranging from AI and Blockchain to UI/UX design and innovation.

The hackathon is open to participants worldwide, with the option to submit projects either via **Unstop** or email, depending on the participant's location.

---

## Key Information & Dates

- **Round 1 Submission Deadline:** 20 October 2024
  - **Round 1 Result Declaration:** 27 or 28 October 2024
  - **Round 2 Start Date:** 1 November 2024
  - **Round 2 End Date:** 20 November 2024
  - **Final Presentation:** 24 November 2024
- 

## Round 1: Idea Presentation

For the first round of the Hack2Hire Hackathon, teams must prepare and submit a **PowerPoint presentation** that outlines their project idea. The submission process occurs via Unstop, and for teams experiencing issues with the platform, email submissions to **hack2hire@skillmingle.in** are also accepted.

### Key Topics for the Round 1 Presentation:

1. **Title Slide:** This should include the idea title, selected theme, and problem statement ID.
2. **Detailed Solution:** Provide a comprehensive explanation of the proposed solution.
3. **Uniqueness of the Solution:** Highlight what makes the solution stand out compared to competitors.

4. **Technical Approach and Tech Stack:** Clearly outline the technologies and methodologies you intend to use.
5. **Visual Aids:** Include diagrams, images, and flowcharts to visually explain the solution.
6. **Timeline:** Ensure the timeline aligns with the phases expected for Round 2.
7. **Workflow:** Describe the step-by-step process of how your solution will be executed.
8. **Impact & Benefits:** Explain how your solution addresses the problem and benefits the target audience.
9. **Team Details:** Conclude the presentation with details about the team members.

Each presentation should be within **8 slides** but can be extended by 2-3 slides if necessary.

---

## Round 2: Implementation Phase

Top **30 teams** from Round 1 will advance to **Round 2**, where the focus will be on implementing the idea that was proposed. **Team Hack2Hire** will assist participants with any requirements or resources during this phase. Participants must ensure that their projects align with the timeline provided below, as well as the goals they set in their original submission.

### Round 2 Key Details:

- Round 2 runs from **1 November 2024 to 20 November 2024**.
- Teams will focus on building their projects according to the detailed solution submitted in Round 1.
- The **final presentation round** will take place on **24 November 2024**.

Teams are encouraged to outline the **key phases of the project** from the initial development stages to the final implementation.

---

## Themes and Problem Statements

The Hack2Hire Hackathon includes various **problem statements (PS)** spread across different themes. The competitive landscape differs depending on the problem statement:

- **PS03, PS04, and PS06:** Facing tough competition.
- **PS01 and PS02:** Moderate competition.
- **PS05:** Comparatively less competition.

Participants can explore multiple themes within a single project, allowing them to showcase their versatility and creativity.

## AIML Theme

- **PS01: AI-Based Recommendation System**

**Objective:** Develop an AI-powered recommendation engine for SkillMingle that suggests relevant projects to freelancers based on their skills, past work, and preferences, while also assisting employers in finding the best freelancers for their projects.

**Key Challenges:**

- Ensuring accurate, personalized recommendations for freelancers and employers.
- Identifying important data points such as skill sets, work history, and ratings.
- Continuously improving the recommendation engine based on interactions and outcomes.

**Expected Outcome:** An AI-driven recommendation engine that enhances job matching and optimizes freelancer-employer interactions for better project results.

- **PS02: AI-Based Proctored Skill Test**

**Objective:** Create an AI-based proctored skill assessment tool that allows employers to evaluate freelancers' skills in real-time, ensuring fairness and security during testing.

**Key Challenges:**

- Utilizing AI for remote proctoring while ensuring the test-taker's authenticity.
- Implementing effective proctoring mechanisms such as facial recognition, screen monitoring, and behavioral analysis to prevent cheating while maintaining privacy.
- Adapting to different test types (coding, design, marketing) and accurately assessing skill levels.

**Expected Outcome:** A secure, AI-driven proctoring system providing reliable skill assessments for employers, while maintaining test integrity.

---

## Web Development Theme

- **PS03: Team Collaboration and Tools for Large Scale Projects**

**Objective:** Build a comprehensive collaboration platform tailored for large-scale projects, featuring task management, event management, version control, and real-time progress tracking and reporting.

**Key Challenges:**

- Designing an admin dashboard for effective team and project management.
- Ensuring efficient task assignment and progress tracking, especially for distributed teams.
- Integrating project management features such as notifications for deadlines, task dependencies, and progress dashboards.
- Making the system intuitive, user-friendly, and scalable for projects of various sizes and complexities.

**Expected Outcome:** A collaborative platform that enhances team productivity, enabling real-time project tracking and seamless version control for distributed teams working on complex projects.

- **PS04: Community and Discussion Forums for Freelancers**

**Objective:** Develop a community-driven platform enabling freelancers to engage in meaningful discussions, share knowledge, and offer peer support through forums and community tools.

**Key Challenges:**

- Fostering a sense of community and encouraging active participation among freelancers.
- Introducing features such as topic-based forums, Q&A sections, and knowledge-sharing spaces to enhance collaboration and support within the community.

**Expected Outcome:** A fully functional community and discussion forum platform for freelancers to connect, collaborate, and share insights, enriching the SkillMingle experience.

---

## Blockchain Theme

- **PS05: Blockchain for SkillMingle**

**Objective:** Use blockchain technology to introduce transparency, security, and trust in transactions, user verification, and project agreements on SkillMingle.

**Key Challenges:**

- Implementing a blockchain-based payment system or escrow service for secure, transparent payments between freelancers and employers.
- Using smart contracts to automate tasks such as payment release upon milestone completion and project dispute resolution.

**Expected Outcome:** A blockchain solution that boosts trust and security on SkillMingle, enabling secure credential verification, transparent project agreements, and automated payments through smart contracts.

---

## Student Innovation (Freelancing)

**Objective:** Address gaps in current freelancing platforms, such as inefficient talent matching, inequitable pay structures, and limited tools for skill development and portfolio management. Propose an innovative solution using technology-driven methods to:

- Match freelancers with projects based on skills and compatibility.
- Enable robust freelancer profile and portfolio management.
- Promote fair compensation and transparent feedback systems.

---

## Prizes & Track Awards

The Hack2Hire Hackathon offers several prizes for the top-performing teams:

### Overall Prizes:

- **1st Prize:** ₹30,000
- **2nd Prize:** ₹20,000
- **3rd Prize:** ₹10,000

### Track Prizes:

Each track prize is worth **₹8,000**, and the tracks include:

1. **Excellence in AI Solutions**
2. **Best Blockchain Implementation**
3. **Best UI/UX Design**
4. **Best Innovation**

---

## Internship Opportunities

Top performers in the hackathon will also be eligible for **internship opportunities**. The top **5 participants** will be selected for internships, and the final selection will be determined through an interview process. Starting from **Round 2**, teams will be evaluated by mentors, whose feedback will be crucial for internship shortlisting.

### Internship Stipend:

The stipend for these internships will be decided in an **HR round** during the interview process.

### Internship Evaluation:

- Participants will be judged based on **mentor feedback** from Round 2 onwards.
  - Performance in both **Round 2 implementation** and the **final presentation** will be considered during the interview process.
-

## Submission Guidelines

- Teams must submit their presentations for Round 1 via **Unstop**.
  - **Non-Indian participants** or those facing technical issues with Unstop should email their presentations to **hack2hire@skillmingle.in**.
  - **Plagiarism**: It is essential that participants submit **original content**. Plagiarized presentations will lead to disqualification.
  - Teams are limited to submitting **one idea**.
  - Participants are **not allowed** to join multiple teams.
- 

## Hackathon Rules and Guidelines

1. **Team Composition**: Each team can only submit one project idea, and participants cannot belong to multiple teams.
  2. **PowerPoint Presentation**: The submission should not exceed **8 slides**, although it may be extended by 2-3 slides if needed.
  3. **Deadline Extension**: For those requiring additional time, requests can be made via the WhatsApp group provided.
  4. **Communication & Support**: Team Hack2Hire is available to assist participants with any issues or queries throughout the hackathon.
  5. **Networking & Industry Connections**: The hackathon provides participants the opportunity to network with **industry leaders** through sessions and discussions.
- 

## Certificates & Ambassador Program

- **Certificates** will be awarded to all participants, winners, and internship qualifiers.
- **Campus Ambassadors** will be selected from each participating college and receive special perks and benefits.

Participants should aim to adhere strictly to the guidelines and submission requirements to ensure their project gets the necessary attention and consideration.

---

## Timeline Overview

- **Round 1 Deadline**: 20 October 2024
- **Round 1 Results**: 27-28 October 2024
- **Round 2 Start**: 1 November 2024

- **Round 2 End:** 20 November 2024
  - **Final Presentation:** 24 November 2024
- 

## Judging Criteria

The top **30 teams** advancing to Round 2 will be selected based on the following factors:

- **Originality:** The uniqueness of the idea and its potential impact.
- **Feasibility:** The technical viability of the proposed solution.
- **Presentation Quality:** The clarity and professionalism of the presentation.
- **Technical Approach:** The use of appropriate technologies and methodologies.
- **Timeline:** Adherence to deadlines and phase progression.

Mentors will play a significant role in providing feedback from Round 2 onwards, and their evaluations will be critical in selecting the winners and internship candidates.