

## **TECHFEST 2024-25**

### **PULSE**



### **INTRODUCTION**

With the rapid advancement of Generative AI, new avenues are created to enhance everyday life through intelligent and adaptive technologies. With its ability to simulate human-like creativity and problem-solving, Generative AI is revolutionising how individuals interact with tech solutions. The **Pulse** is an initiative that seeks to tap into such potential is the latest offering from the Office of Ananya Birla.

On offering is a competition that encourages the creation of application products to be applied to real-world problems. We seek to encourage users to think creatively about how technology, particularly Generative AI, can be leveraged to empower individuals in their daily routines.

### **PROBLEM STATEMENT**

The primary goal of this competition is to identify and nurture ideas which could be developed into functional tech products. Pulse aims to implement these innovative ideas to create solutions that benefit society and enhance daily productivity. Participants are invited to explore how Generative AI can be harnessed to create tools that improve productivity and support informed decision-making. Whether through personalised assistance, automated task management, or innovative data interpretation, this competition aims to push the boundaries of current technological solutions and inspire students to develop pioneering concepts that can seamlessly integrate into and enhance daily life.

This initiative not only stimulates the exploration of AI-driven solutions but also helps identify transformative ideas that can be applied to real-world problems, push the boundaries of current technology, and deliver value to businesses, consumers, or the environment.

**Evaluation Parameters** Submissions will be judged on the following criteria:

1. **Innovation:** Originality and creativity of the idea.
2. **Potential Impact:** The extent to which the idea can benefit individuals and society.
3. **Technical Feasibility & Scalability:** The practicality of implementing the idea and its potential to be scaled.

**Competition Rules and Format:**

- Each team can have a maximum of 5 members. All members must be registered participants.
  - **Round 1: Screening:**
    - Teams will submit an initial **pitch presentation** outlining their concept and addressing the evaluation criteria. The submission should include a comprehensive plan of action, logical framework, implementation details, and the software or platforms intended for use.
    - The submitted presentation should highlight the team's approach and showcase their understanding of the problem statement.
  - **Round 2: Presentation & Working Demonstration:**
    - Qualified teams will develop prototypes and demonstrate their solutions. This round includes mentorship from the OAB team to guide participants through their project plans.
    - Teams must submit their code in a public GitHub repository. The judging panel will evaluate the functionality, creativity, code quality, and overall relevance of the projects.
    - Email submissions with the subject line “**Round 2 Submission** [TeamName]” with the GitHub repository link in the email ([pulse@officeofananyabirla.com](mailto:pulse@officeofananyabirla.com)) and ([rishabh@techfest.org](mailto:rishabh@techfest.org))
    - Ensure all project-related files (code, presentation, and video) are in a single folder in the public GitHub repository.
    - The main branch should have the latest version of the code. No updates should be made post-deadline to avoid disqualification.
    - Round 2 qualifiers are invited to present at the Techfest, IIT Bombay.
    - Submissions must be directed to the IIT Bombay organising team

### **Registration:**

- Registration needs to be completed by November 15th, 2024.
- Team name, participants, and contact information must be specified in the submission email.

### **Timeline:**

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|--|------------------------------|
| ● Registration Deadline:                     | November 15th, 2024          |
| ● Round 1 (Screening) Submission:            | November 17th, 2024          |
| ● Processing submission & mentorship by OAB  | November 17th –December 14th |
| ● Round 2 (Working Demonstration) Submission | December 14th, 2024          |
| ● Announcement of Winners                    | December 17th, 2024          |

### **Prizes and Awards:**

- 1st Place: INR 1,50,000
- 2nd Place: INR 1,00,000
- 3rd Place: INR 50,000
- Interaction with the Chairperson
- Additionally, candidates who are successful will have the opportunity to present their projects to OAB's top management and will be considered for a Pre-Placement Offer (PPO).

### **TEAM SPECIFICATIONS**

- A team may consist of a maximum of 5 members.
- Individual Participation is allowed. However, the participant must mandatorily get a Team ID. This Team ID will be used for all further communication
- Students from different educational institutes can form a team.

### **ELIGIBILITY**

All students with a valid identity card of their respective educational institutes are eligible to participate.

## **GENERAL RULES**

1. Every participant must register online on the official Techfest website. A unique Team ID will be allocated upon registration for future reference.
2. Participants must complete registration and submit their project before the deadlines specified. Late submissions will not be accepted.
3. The decisions of the organisers and judges will be final and binding. Techfest reserves the right to verify the identity and accuracy of participant details.
4. Techfest, IIT Bombay, will not be responsible for any late, lost, or misdirected submissions.
5. All ideas submitted by teams must be original and must not be protected by existing patents, copyrights, or publications.
6. The latest and most accurate information will be available on the official Techfest website. Registered participants will be informed via email about any changes.
7. All official communication will be conducted through the Techfest email.

## **CERTIFICATE POLICY**

→ **Certificates of Excellence** will be provided to the **Top 10 teams**.

→ **E-Certificates of Participation** will be awarded to teams scoring above a critical mark (to be decided later).

## **Prize Money**

The **Prize money** will be awarded to the top 3 winners via **NEFT** and will be processed before **April 2025**.

The winners have to mail the following information (immediately after the announcement of the results) to **tarun@techfest.org**.

**Subject:** PULSE, team id - your position (example PULSE, **PULSEI-1234567 – 1st position**)

### **Body of the email:**

1. Account Holder's Name
2. Account Number
3. Bank Name and Branch Name
4. IFSC Code
5. Photograph of Passbook as Proof