

Student Council 2024-2025  
presents

# CODE-A-THON!

*"Innovate, Collaborate and Dominate"*

31st January 2025

**6 hours Industrial Hackathon  
@ ALGORHYTM 2024**

# What is Codeathon

Our Codeathon is a flagship event under the theme VentureVerse, part of our grand tech fest, Algorythm. Hosted by Vidyalankar Institute of Technology, this Codeathon is a dynamic and innovative competition where aspiring tech enthusiasts and problem-solvers gather to develop groundbreaking solutions for real-world challenges.

The event is designed to blend entrepreneurial thinking with technical brilliance, encouraging participants to ideate, innovate, and implement solutions. It is not just a coding competition—it's a journey into creating tech-driven ideas that can evolve into impactful ventures.

This Codeathon reflects our institute's commitment to fostering creativity, collaboration, and excellence, offering participants a platform to showcase their talent, learn from industry experts, and network with peers who share a passion for innovation.

## Prize Pool

# Rs. 35,000



**Rs. 25,000**



**Rs. 10,000**

[Registration Link](#)



"Welcome to our Hackathon! This is your chance to bring your innovative ideas to life and solve pressing challenges that impact the world around us. Together, let's design solutions that inspire change, drive innovation, and showcase the power of teamwork. Remember, every line of code, every brainstorm session, and every prototype you build is a step towards shaping a better future. Dream big, stay curious, and let your creativity soar!"

## **Problem Statement Domains**

- 1. Artificial Intelligence (AI)**
- 2. Social Impact and Accessibility**
- 3. Augmented Reality (AR)**
- 4. Crowdsourcing and Civic Engagement**
- 5. Optimization and Logistics**
- 6. Blockchain Technology**
- 7. Machine Learning and Computer Vision**

[Registration Link](#)



# Timeline



11 January

Registrations Open



21 January

Registrations Deadline



23 January

Online Round



31 January

Final Round

[Registration Link](#)



# Problem Statements

**Create an AI assistant that suggests what to pack based on weather, location and planned activities.**

**Create an AI tool that analyses your shopping habits and nudges you to smarter, budget-friendly purchases.**

**Build a platform to connect volunteers with NGOs based on their interests, skills, and availability**

**Design an app that converts sign language gestures into spoken words in real time to aid communication.**

**Create an AR app that provides real-time guidance on safe exits during natural disasters like earthquakes.**

**Build a crowdsourced platform that maps potholes, notifies city officials, and rewards users for reporting them.**

**Create an AI-driven solution to enhance women's safety. Features could include real-time location tracking, predictive alerts for unsafe areas, emergency SOS systems, and secure sharing of distress signals with trusted contacts**

**Optimize package loading into flight containers, ensuring priority items fit within limits and minimizing unshipped items and container use.**

**To develop a model that not only detects AI-generated images but also explains the basis of its classifications.**

**Build an AI platform to predict winning fantasy cricket team with user friendly interface.**

**Develop a secure and transparent blockchain-based voting system to eliminate election fraud and ensure tamper-proof results.**

# Event Structure

## The Hackathon will be conducted in two stages:

### Stage 1: Online Round (23rd January)

- Format: This is an online round.
- Requirement: Teams must present their MVP (Minimum Viable Product) based on the problem statement they have chosen.
- Evaluation: An expert panel will evaluate the MVPs based on creativity, feasibility, and alignment with the problem statement.
- Shortlisting: Based on the evaluation, the top-performing teams will be shortlisted for the final round.

### Stage 2: Final Round (In-Person)

The finale will be an intense in-person round where the shortlisted teams will build their complete deliverables. This stage is divided into three phases:

#### Phase 1: Basic Building Phase (First 2 Hours)

- Teams will start building their solution from scratch or enhance their MVP.
- After the basic building phase, there will be an evaluation round, where experts will review the progress.
- Experts will provide feedback, suggestions, and guidance for further improvement.

#### Phase 2: Implementation Phase (Next 3 Hours)

- Participants must implement the expert suggestions and refine their deliverables.
- Teams will need to complete their product and prepare a supporting PPT presentation during this phase.

#### Phase 3: Final Presentation (Last 1 Hour)

- Each team will present their final product and pitch to the judging panel.
- Presentations should highlight the solution, implementation process, innovation, and overall impact.

# Participation Rules

## Team Size:

Each team must consist of 2 to 3 students.

## Eligibility:

- The hackathon is open to all college students, irrespective of their field of study or degree.
- Participants must be a minimum of 18 years old at the time of registration.

## Cross-College Teams:

- Students are allowed to form teams with participants from different colleges.
- Collaboration across institutions is encouraged to foster diversity and creativity.
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## Proof of Admission:

- Each participant must produce proper proof of admission to their respective institute (e.g., college ID or admission letter) as mentioned in the registration form.

## Registration Requirements:

- It is mandatory to fill out the registration form and pay the required registration fee of RS 200 before participating in the hackathon.

## Proof of Identity:

- Participants must carry valid proof of identity (e.g., government-issued ID or student ID) throughout the Codeathon for verification purposes.

**[Registration Link](#)**

# Other important rules

## Facilities Provided:

- Snacks and basic Wi-Fi connectivity will be provided during the event.

## Participant Requirements:

- It is mandatory for participants to carry their own laptops and any additional equipment required for their projects.
- No use of GPT or any other AI tools is allowed during the hackathon. Any cheating or malpractice will result in immediate disqualification.

## Discipline and Conduct:

- Participants must maintain discipline throughout the hackathon, both during online meetings and on-campus activities.
- Respect towards fellow participants, mentors, and organizers is mandatory.
- Participants must follow all the rules and regulations of the campus.
- Responsibility for Damages:
- Participants will be held responsible for any damage caused to college property during the event.

## Winner Payment Process:

- The prize money for the winners will be transferred to their respective bank accounts within a period of 45-60 days.

## Rule Amendments:

- The organizing committee reserves the right to change the rules as deemed necessary. Any updates will be announced in advance.

## Final Decision:

- The decisions made by the judges, authorities, and expert panel will be final and binding.
- These rules ensure a fair, respectful, and productive environment while maintaining the integrity of the event.





**See you there**



<https://www.algorhythmvit.in>

Registration Link