HAVANA'25

THE JOY OF TECH SPIRIT

27th & 28th February 2025

GITAM
DEEMED TO BE UNIVERSITY

G-ELECTRA
SMART SYSTEMS CLUB
EECE
GITAM-Hyderabad

HACK-ERA

HACK-ERA is a 24-Hour Hackathon! This event is designed to ignite your creativity and test your technical abilities in both hardware and software development. Participants will collaborate to solve real-world challenges, developing innovative solutions that integrate cutting-edge technology. Whether you're building physical devices or coding groundbreaking applications, this hackathon is an opportunity to showcase your skills, learn new concepts, and push the boundaries of what technology can achieve. Over 24 intense hours, you will brainstorm, prototype, and present your ideas in front of expert judges.

Registration Process:

WHO CAN PARTICIPATE:
Registrations for HAVANA'25 are open for Students of all years including who graduated in year 2024.
Registrations are open for all colleges throughout the India.

HOW TO REGISTER:
Students can Register through Unstop website for participation
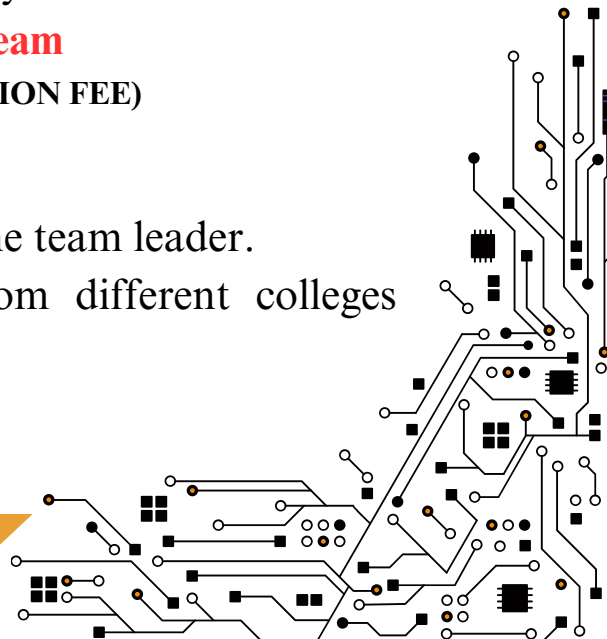- Deadline: Register by 27th & 28th February 2025

Registration Fee: 600/- per team
(FOOD IS INCLUDED IN REGISTRATION FEE)

TEAM FORMATION:

Teams must consist of **4 members**, including one team leader.
Teams can be formed with participants from different colleges (inter-college teams allowed).

PROBLEM STATEMENTS:

HARDWARE CATEGORY:
WE WILL BE RELEASING SOON.

KINDLY CHECK THE RULE BOOK ON UNSTOP REGULARLY

SOFTWARE CATEGORY:
WE WILL BE RELEASING SOON.

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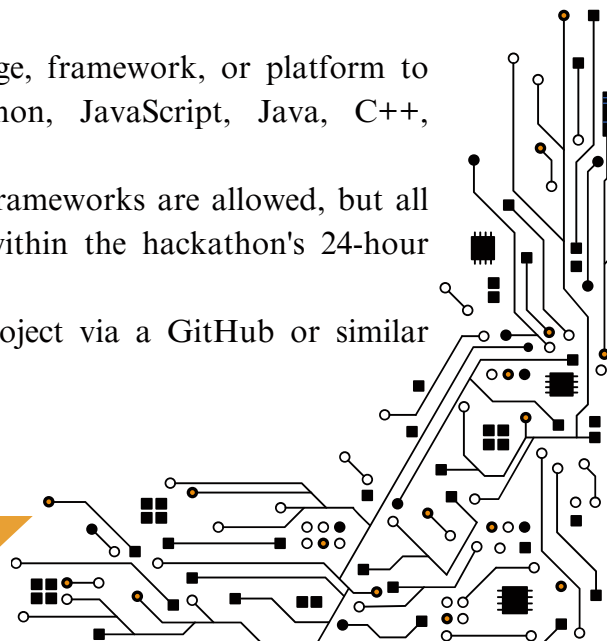
Hardware category details:

Participants choosing the hardware category must focus on building a functional physical prototype that solves a specific problem. Projects can involve sensors, microcontrollers (like Arduino, ESP32), robotics, Internet of Things (IoT) devices, or other physical components.

- **Hardware Requirements:** Teams must bring their own hardware components for the hackathon.

- **Prototype Presentation:** A working prototype must be presented by the end of the hackathon.

- **Presentation Requirement:** Teams must prepare a PowerPoint with detailed information about their prototype.

Software category details:

In the software category, participants will focus on building innovative software applications that can range from mobile apps, web platforms, AI solutions, machine learning models, or blockchain technologies. Projects must be fully functional at the time of submission.

- **Allowed Tools:** Teams can use any programming language, framework, or platform to develop their software. Popular choices include Python, JavaScript, Java, C++, HTML/CSS, and others.
- **Collaboration:** External open-source libraries, APIs, and frameworks are allowed, but all core logic and application development must be done within the hackathon's 24-hour duration.
- **Code Repository:** Teams are required to submit their project via a GitHub or similar repository for evaluation.
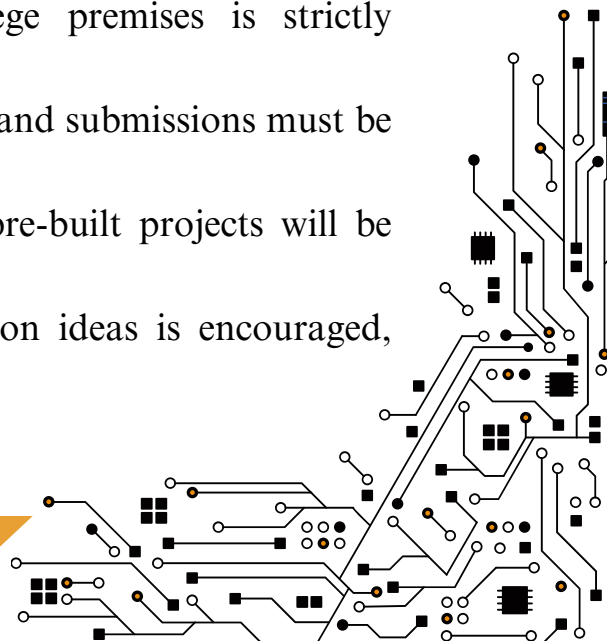
Evaluation Pattern

Projects will be evaluated based on the following criteria:

- **Creativity & Innovation (20%):** How unique and innovative is the idea?
- **Technical Execution (30%):** How well is the project implemented from a technical perspective? (Code quality, hardware design, performance, etc.)
- **Functionality (30%):** How well does the solution work? Does it meet the proposed objectives?
- **User Experience & Design (10%):** Is the project user-friendly? Is the interface intuitive, and does the hardware prototype have an ergonomic design?
- **Presentation & Pitch (10%):** How clearly does the team explain their project? Does their presentation communicate the value of the solution?

Each project will be evaluated by a panel of judges with expertise in software and hardware engineering, user experience design, and product development.

Generalized Rules:

1. **Team Size and Leadership:** Teams must consist of 4 members, including one team leader. Teams can be formed with participants from different colleges (inter-college teams allowed).
2. **Signed Declaration:** All participants must bring a signed acknowledgment from their parents, on a declaration letter.
3. **Identification:** All participants must wear their respective college ID cards at all times during the hackathon.
4. **Communication:** Participants must not leave their designated areas without informing the Point of Contact (POC).
5. **Movement Restrictions:** Roaming around the college premises is strictly prohibited.
6. **Respect Time Limits:** Strict deadlines will be followed, and submissions must be made within the 24-hour window.
7. **No Cheating:** Teams found copying work or using pre-built projects will be disqualified.
8. **Collaboration Encouraged:** Cross-team collaboration on ideas is encouraged, but each team must submit an independent project.

9. **Behavior:** All participants must adhere to the code of conduct, treating fellow participants, mentors, and judges with respect. Harassment or inappropriate behavior will result in immediate disqualification.
10. **Safety First:** In the hardware category, proper safety precautions must be taken when   working with electronics, tools, and machinery.
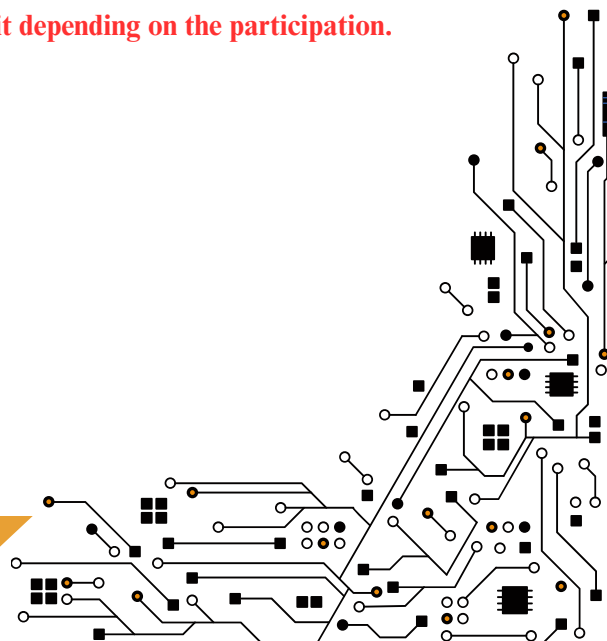
Certificate Policy:

- Physical Certificates: Awarded exclusively to the top 10 teams.

- E-Certificates: Provided to all participants.

Certificates will be emailed within 5–6 working days.

NOTE

This hackathon is a platform to learn, explore, and innovate. Winning is important, but the experience of collaboration, problem-solving, and experimentation is the real takeaway. Use this time to push boundaries, form new connections, and most of all, have fun! **Also, food is included in the registration amount,** so you can stay focused and energized throughout the 24-hour marathon.

*The Organizers reserve the right to change any rules as they deem to fit depending on the participation.

INQUIRIES

For General and Technical inquiries related to the **HAVANA '25**
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COMPETITION Related Inquiries

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EVENT Related Inquiries

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G. Showry James

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Email: sgaleti@gitam.in

LOCATION:

GITAM (Deemed to be University)
Rudraram Village, Patancheru Mandal
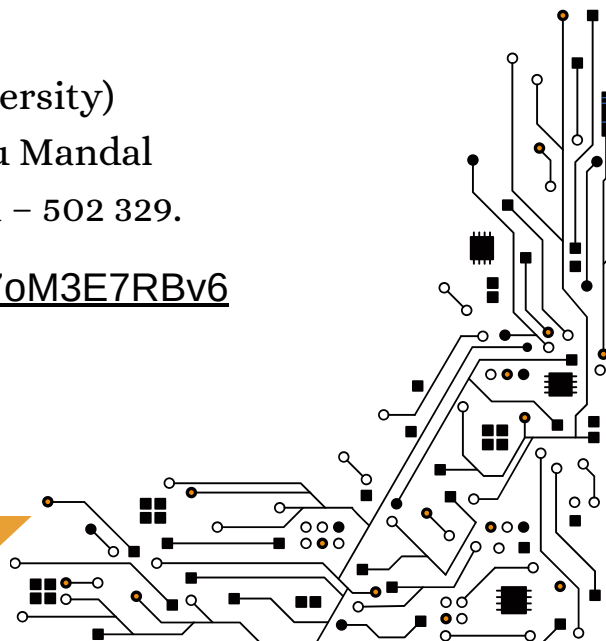Sangareddy District, Telangana – 502 329.

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