KVG
College Of Engineering

Kurunjibag, Sullia, D.K - 574327

(Approved by AICTE New Delhi, Affiliated to VTU Belagavi)

SPHERE HIVE

PRESENTS

KVGCE HACKWISE 2025

A 24-hour Offline AI hackathon pushing boundaries in space station safety.

25 - 26th April 2025

KVGCE HACKWISE 2025

INTRODUCTION

KVGCE Hackwise 2025 is a **24-hour offline** AI hackathon designed to challenge the brightest minds in solving real-world problems using artificial intelligence. Organized by **Sphere Hive** and **KVG College of Engineering**, this year's theme focuses on AI-Powered Space Station Safety, where participants will develop **AI models to detect anomalies in a simulated space station environment.**

With top-tier mentorship, cutting-edge tools, and exciting rewards with a **prize pool of ₹50,000+**, Hackwise 2025 is the perfect opportunity for innovators, coders, and AI enthusiasts to showcase their skills, collaborate, and push the boundaries of technology.

OVERVIEW

Location 📍 :KJVG Hall, KVGCE, Kurunjibhag, Near KVG Statue Junction, Sullia, D. K, Karnataka 574327

24 Hours Onsite Event	25 & 26th April 2025	₹50,000+ Prize Pool

KVGCE HACKWISE
GUIDLINES

General Guidelines:

- The hackathon is open to all college students nationwide.
- Teams must consist of max 4 members.
- Inter-college and inter-specialization teams are allowed.
- All participants must adhere to ethical coding practices and originality of work.
- Any form of plagiarism or use of pre-built solutions will lead to disqualification.
- The hackathon consists of two rounds: an online submission round (shortlisting stage) and a 24-hour offline hackathon (final round).

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ROUND 01

Online Submission (Shortlisting Stage)

Objective:

- Teams must submit a 2-minute video or a PPT explaining their approach and understanding of the problem statement.
- The submission should include innovation, feasibility, and technical understanding of AI models.
- This round is only for shortlisting the top 25 teams who will compete in the offline final round.

Rules:

- Only one submission per team is allowed.
- The submission must not contain actual project implementation—it is for ideation purposes only.
- The file formats accepted for submission are pdf, ppt, mp4.
- Teams will be evaluated on clarity, innovation, feasibility, and relevance to the problem statement.
- The top 25 teams will be selected based on the evaluation and invited for the final offline hackathon.
- No fees for Round 1 submissions.

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ROUND 02

24-Hour Offline Hackathon (Final Round)

Objective:

- The 25 shortlisted teams will compete in a 24-hour coding challenge to develop an AI model for anomaly detection in a simulated space station environment.

Rules & Format:

- Date: April 25 & 26, 2025 (Friday & Saturday) at KJVG Hall, KVG College of Engineering.
- Registration Fee: ₹499 per team for the final offline round.
- Teams will be provided with:
- FalconEditor, Cloud VMs, AI training resources.
- Simulated datasets for training their AI models.
- Participants must build their project from scratch during the 24-hour period.
- Pre-built models or external help is not allowed.
- Teams will submit:
- AI Model, Documentation, and Final Presentation.

Problem Statement: AI-Powered Space Station Safety 🚀

With the increasing number of space missions and astronauts living aboard space stations, ensuring safety in extreme environments has become a critical challenge. Malfunctions, equipment failures, radiation exposure, and environmental hazards pose serious threats to crew members.

Your task is to develop an AI-powered anomaly detection system that can:

✅ Identify early signs of system failures in life support, power, or communication systems.

✅ Predict potential risks using real-time sensor data and past incidents.

✅ Recommend immediate corrective actions to prevent disasters.

Key Challenges to Address:

- Processing large-scale real-time data from multiple sources.
- Implementing machine learning models that can detect and classify anomalies.
- Ensuring high accuracy, low false alarms, and fast response time.

Can your AI solution help astronauts stay safe in space? Let’s find out! 🚀

Tools & Resources Provided 🛠️

To help you build a robust AI-powered anomaly detection system, we will provide:

🚀 **FalconEditor VMs** – Cloud-based coding environment for seamless development.

📡 **Simulated Space Station Data** – Realistic sensor data for training AI models.

💻 **Pre-configured AI/ML Libraries & Code Editor to train model**

Everything you need to design, train, and test your AI solution will be ready for you! 🚀

All of these resources are provided by:

DUALITY

TIMELINE

9.00 - 10.30 am
Check-in KVGCE Campus
April 25th

11.00 - 12.00 pm
Inauguratin
April 25th

12.00 - 1.00 pm
Lunch
April 25th

1.00 pm
Hackathon Starts
April 25th

1.00 - 4.30 pm
Development phase **1**
April 25th

4.30 - 5.00 pm
Snacks
April 25th

5.00 - 5.30 pm
Midpoint check-in
April 25th

5.30 - 8.30 pm
Development phase **2**
April 25th

8.30 pm
Network with other teams
April 25th

9.00 - 10.00 pm
Dinner
April 25th

10.00 pm - 12.00 am
Overnight Hacking
Continues 🌙
April 25th

12.00 - 8.00 am
Late-Night Coding
Marathon 🔥
April 26th

8.00 - 9.00 am
Breakfast
April 26th

11.30 am
Project
Submission
April 26th

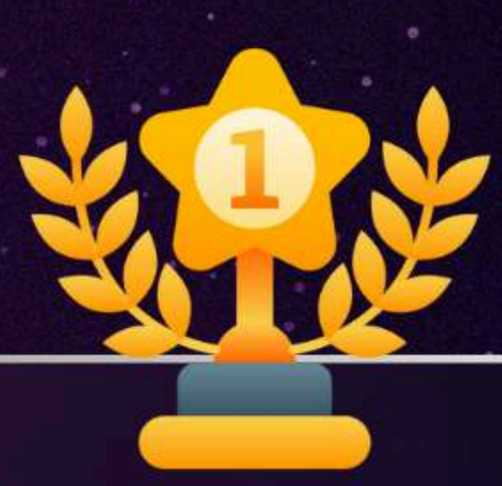
12.00 - 1.30 pm
Project presentations
and judging
April 26th

2.30 pm
Closing Ceremony &
Prize Distribution 🎉
April 26th

SELECTION AND EVALUATION CRITERIA

- mAP value on provided test dataset
- Proposed model improvements
- Quality of approach presentation
- Code quality, efficiency, and robustness.

PRIZES & RECOGNITION



₹40,000

Trophies &
Exclusive Goodies

~ winner

₹10,000

Trophies &
Exclusive Goodies

~1st runner up

All participants get 1 year valid .xyz domains worth of Rs 1200/ for free.

🍕 Food & Refreshments

✅ Complimentary Meals: All participants will receive free proper meals during the hackathon, including breakfast, lunch, and dinner.

✅ Snacks & Beverages: Stay energized with coffee, tea, and light snacks available during the event.

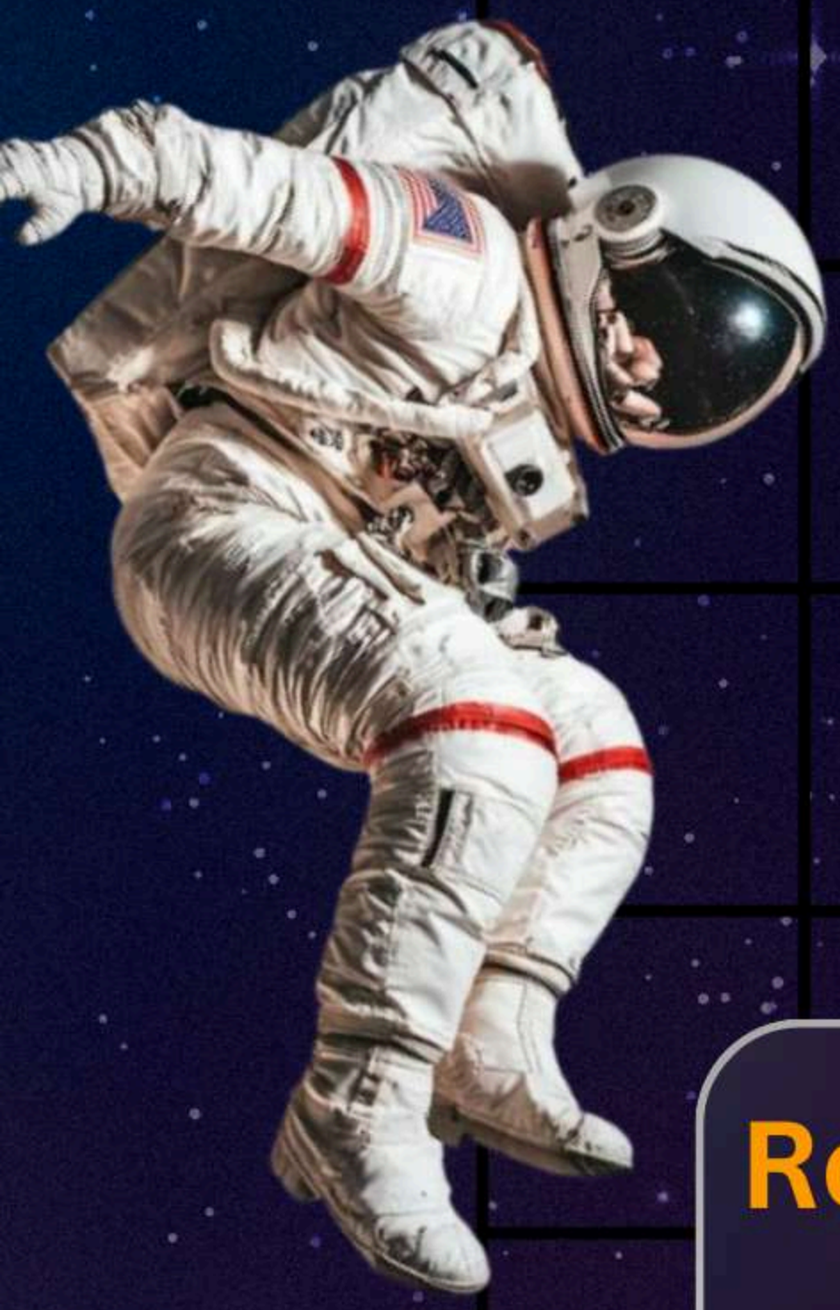
✅ Dietary Preferences: We'll have both vegetarian and non-vegetarian options available.

🏨 Accommodation

✅ Affordable Stay Options: Accommodation will be provided for participants arriving a day early or staying after the event at a reasonable cost.

✅ Comfortable Facilities: Safe and clean lodging arrangements.

🔹 Your comfort is our priority! Let us know in advance if you need a stay arrangement.



Register now visit:

spherehive.in

Registration Deadline:

25 March 2025

ABOUT US

KVG College Of Engineering, Sullia

KVG College of Engineering, located in Sullia, Karnataka, is one of the premier engineering institutions in the region. Established in 1986, the college is affiliated with Visvesvaraya Technological University (VTU) and approved by AICTE. It offers undergraduate and postgraduate programs in various engineering disciplines, fostering a strong academic and research-oriented environment. With well-equipped laboratories, experienced faculty, and active industry collaborations, KVGCE emphasizes practical learning and innovation. The lush green campus provides a conducive atmosphere for students, and the institution actively encourages participation in technical fests, hackathons, and extracurricular activities to enhance overall development.

SphereHive, student led startup club at KVGCE

SphereHive is a student-led startup club at KVG College of Engineering, dedicated to fostering entrepreneurship and innovation among students. With a mission to spread entrepreneurial thinking, the club empowers students to develop impactful products that address real-world challenges. SphereHive actively organizes hackathons, innovation challenges, and hands-on workshops to upskill students, providing them with the necessary tools to turn ideas into reality. By creating a dynamic ecosystem of learning, collaboration, and execution, SphereHive aims to inspire the next generation of entrepreneurs and changemakers.

CONTACT DETAILS

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