



INDIAN INSTITUTE OF  
SPACE SCIENCE AND TECHNOLOGY

# HACKORBITAL

Code for future @ IIST

100K\*  
PRIZE POOL



16-19  
OCTOBER  
2025

# What is HACKORBITAL ?



HackOrbital brings Conscientia's new flagship event, a 24 hour hackathon. From ideation to prototype, participants will journey through two dynamic phases – a 4-hour ideation sprint followed by an 16-hour development marathon – all within an electrifying environment fueled by passion, mentorship, and team spirit.

## Phase 1

4 hours - teams brainstorm, refine, and finalize the idea they will bring to life during the development phase. Problem - The problem statement chosen

Objectives - What objectives do they want to meet using their development

Ideas - Multiple ideas and innovations thought about to meet objectives

(optional) Chosen solution - main features, reasoning Planning the build - Mid review pitch - Short clear explanation (3 minutes per team), Basic UI sketch

Submission of ideation in pdf format (presentation/report)

## Phase 2



16 hours - stretch of the hackathon where teams build a working prototype of their idea. After 4 hours of ideation and planning, this is where ideas turn into reality. Building the essential features that demonstrate the core value. Use appropriate tools, APIs, frameworks; maintain clean code. Testing and stability Demo and presentation (7 minutes per team) Submission of final prototype - code repository (github) or demo link

## Guidelines

- Any programming language, tools, or platform.
- Use of open-source libraries/APIs, with credit given where required.
- AI tools (like GitHub Copilot, ChatGPT) are allowed, but code must be understood by your team.
- Submission of previously developed projects is not allowed.
- All ideas must be original. Plagiarism will lead to disqualification.

# Domains



## TECHNOLOGY AND INNOVATION

- Artificial Intelligence (AI)
- Internet of Things (IoT)
- Robotics & Automation
- Augmented/Virtual Reality (AR/VR)
- Digital Infrastructure
- Quantum Computing
- Blockchain
- Cybersecurity

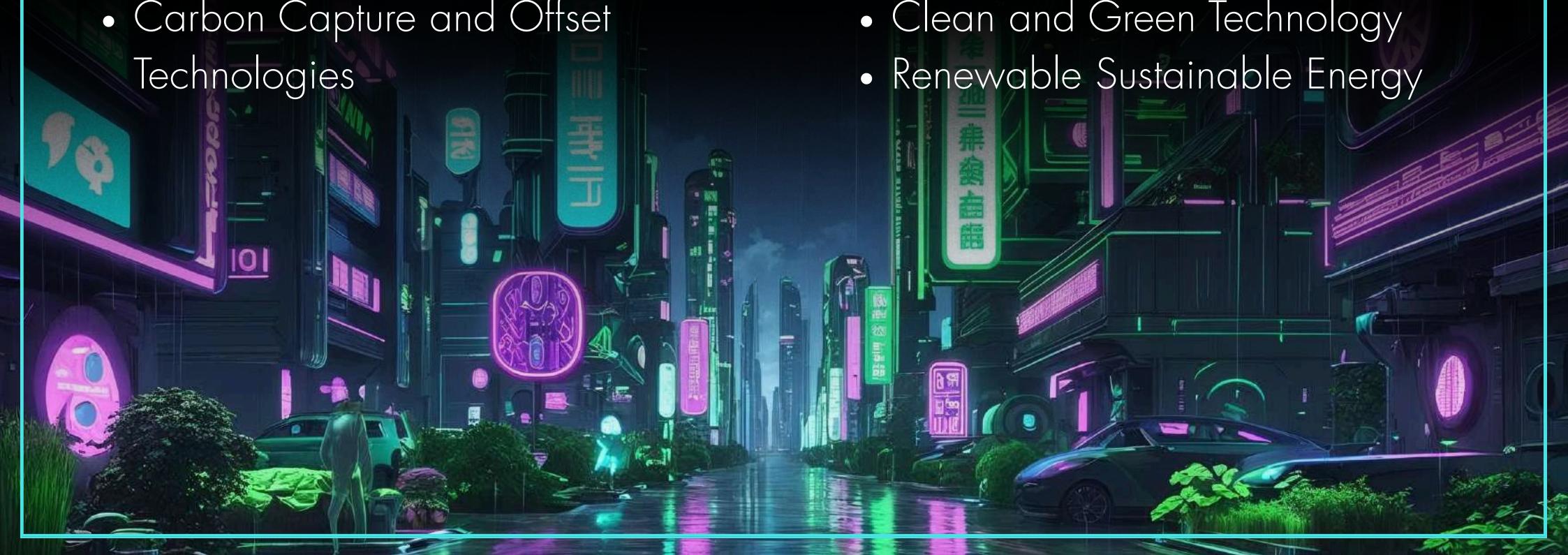


# Domains



## HEALTH, ENVIRONMENT & SUSTAINABILITY

- Mental Health Tech
- Nutrition Tech
- Climate Tech
- Carbon Capture and Offset Technologies
- Waste Management
- Environmental Monitoring
- Public Health Informatics
- Clean and Green Technology
- Renewable Sustainable Energy



# Domains



## AGRICULTURE & RURAL DEVELOPMENT

- Agri Tech
- Climate Tech
- Food Tech
- Geospatial Technology
- Smart Education
- E-Governance



# Domains



## Sponsors Given



## • REGISTRATION FEE

- ₹ 349 per person
- ₹ 1399 only ₹ 1199 for team of 4

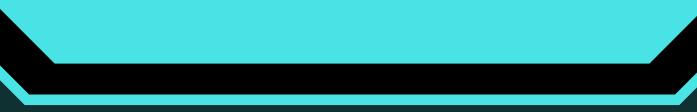
## • TEAM SIZE

- 2-4 members





**CONTACT US**



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