



Our Digital Partner  
**OXYGEN**  
THE DIGITAL EXPERT

5th & 6th October 2024

#### Organized By

Amal Jyothi College Of Engineering (Autonomous)  
Kanjirappally

#### Our Collaborators



Scan to Register

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# NASA SPACEAPPS CHALLENGE

JOIN US AT THE NASA SPACE APPS CHALLENGE AND TURN YOUR IDEAS INTO SOLUTIONS FOR THE FUTURE OF SPACE EXPLORATION!



AMAL JYOTHI  
COLLEGE OF ENGINEERING  
(AUTONOMOUS)

IEDC-Kerala Startup Mission  
IIC-Institution Innovation Council-AICTE  
Startup Valley TBI-Amal Jyothi

# Aim & Scope

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The NASA Space Apps Challenge is an annual global hackathon designed to encourage innovation, creativity, and teamwork in solving real-world problems related to space exploration, Earth sciences, and other challenges aligned with NASA's mission. Participants from diverse backgrounds come together to leverage NASA's open data to develop new applications, tools, and solutions.



The hackathon aims to foster collaboration, enhance problem-solving skills, and engage a global community of students, professionals, and enthusiasts in space-related challenges. By making space science more accessible, the event promotes interdisciplinary learning and the creation of innovative solutions that can have a meaningful impact on our understanding of space and Earth.



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This is not just an app development or web design challenge—NASA's SPACEAPPS Hackathon is a platform for innovative solutions of all kinds. Whether it's a groundbreaking software, a unique hardware prototype, a creative data analysis method, or an out-of-the-box idea that addresses real-world problems, all innovative solutions are welcome.



Developing solutions that enhance our understanding of space and improve technologies for exploring the cosmos.



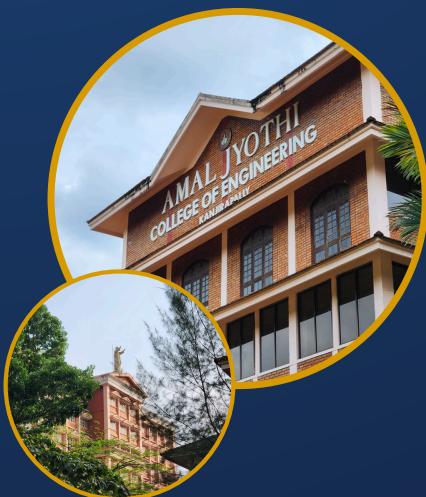
Creating applications and tools that utilize space data to monitor and protect Earth's ecosystems and resources.



Innovating in areas that promote human well-being in space and support sustainable development on Earth.

# About The Venue

Amal Jyothi College of Engineering (Autonomous) is a leading engineering institution in Kerala, established in 2001 with a vision to provide world-class technical education. Known for its academic excellence, the college offers a wide range of undergraduate and postgraduate programs, fostering innovation, research, and entrepreneurship.



With state-of-the-art infrastructure, a vibrant campus, and a strong focus on holistic development, Amal Jyothi is dedicated to nurturing future-ready engineers and technologists who can make significant contributions to society. Our college is committed to empowering students with the skills and knowledge needed to excel in a rapidly evolving global landscape.

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# Perks for Attendees

## Surprise Awards

Attendees stand a chance to win special surprise awards for their creativity, teamwork, and unique solutions, adding extra excitement to the challenge.



## Networking Opportunities

Connect with industry experts, potential mentors, and like-minded peers, opening doors to future collaborations and career opportunities.

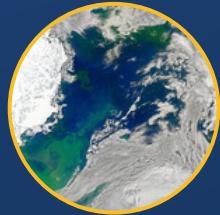


## Goodies

Participants will receive exclusive goodies as a memento of their involvement, celebrating their contribution to this prestigious event.

# Sneak Peek on Challenges

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## Beyond Sunlight: An Aquatic Chemosynthetic World

Earth's ecosystems heavily rely on sunlight, but imagine an ocean world where chemosynthesis, not photosynthesis, sustains life. Your challenge is to design such a world and its diverse ecosystem, pushing the boundaries of astrobiology beyond traditional Earth-like conditions.

## GLOBE Protocol Games

Your challenge is to create a game that integrates Global Learning and Observations to Benefit the Environment (GLOBE) Program protocols to help players understand the world around them, develop awareness of one or more local or global environmental topics (e.g., urbanization, water pollution, drought, heat waves, flooding), investigate their local community using GLOBE protocols, or learn scientific principles.



# Prize Details

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## ₹1,00,000+ PRIZE POOL

 Get ready to compete for an incredible prize pool of over ₹1 lakh! The NASA SPACEAPPS Hackathon isn't just about the thrill of innovation and creativity—it's also your chance to walk away with substantial rewards. With multiple categories to win, every participant has the opportunity to shine and be recognized for their unique contributions.

 Whether you're creating groundbreaking technology, developing innovative solutions, or simply thinking outside the box, there's a prize waiting for you. The exact details of the awards will be revealed as the event progresses, but one thing is certain: the competition will be fierce, and the rewards even greater.

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# Get In Touch With Us



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