



**KALINGA  
UNIVERSITY**



**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of Education Initiative)



**IEEE**  
MADHYA PRADESH SECTION



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FACULTY OF INFORMATION TECHNOLOGY

&

DEPARTMENT OF COMPUTER SCIENCE

IN COLLABORATION WITH IEEE WIE AG MP SECTION

ORGANIZES

# KU HACKATHON - 2023



 **10<sup>th</sup> & 11<sup>th</sup> August, 2023**

 **11 AM Onwards (24 Hours Event)**

# DESCRIPTION OF DOMAINS

## 1. Smart Automation

The idea is to focus on building a fully autonomous smart energy monitoring facility for an entire building. This will be like a smart home solution, but for an entire building. This AI-based solution can use deep learning to recognize patterns of behaviour at home or in the office to better manage energy consumption, and electricity usage, strengthen security, and lower operating costs.

## 2. Smart City

Cities across the globe, especially emerging countries, are witnessing significant urbanization. To make the city a better place to live and to improve the quality of citizens' welfare, ideas focused on solving the challenges in water management, solid waste management, safety and security, public health and digital connectivity.

## 3. Green Technology

Green technology has been gaining more popularity as the need to address global warming becomes more urgent. The theme deals with finding out the best solution for problems centred on sustainability, energy use, climate change, environmental monitoring, decentralization of climate data, and anything technology focused on how we interact with the environment.

Registration Charges: **Rs.100/-**  
per member (2 members)

# INSTRUCTIONS OF KU HACKATHON

## 1. About the event

- It is a National Level Hackathon.
- It is a 24-hour event that starts at 11:00 AM on the 10<sup>th</sup> of August 2023 and ends at 11:00 AM on the 11<sup>th</sup> of August 2023.

## 2. Rules and Regulations

- Team can have a maximum of 2 students excluding the mentor.
- The mentor can be a faculty from your respective University/College.
- Mentors can guide the participants during the hackathon.
- The mentor is optional.
- Mentors will not be assigned by the organising committee.

## 3. Presentation: It should be available in the form of a PPT which includes

Details of Team Leader and Members including College/University Name, Branch & Semester, Email Address and Contact Number

Name of Domain

Problem Statement

Abstract

Objectives

Scope

Innovative solution for the problem statement

Prototype

Conclusion

Mentor Details

## 4. Deadlines

- Submission of PPT along with registration fee of Rs.100/- per member: 15<sup>th</sup> July 2023
- Announcement of shortlisted teams for the final round: 30<sup>th</sup> July 2023

## 5. Important Points

- Teams shortlisted for the final round will have to pay a registration fee of Rs.500/- per team prior to the event.
- Accommodation and Meals will be provided “free of cost” in the University Hostels.
- No travel allowance will be provided.

## 6. Prizes

Winner: **Rs. 10,000/-**  
(for each Domain)

Runner Up: **Rs. 5,000/-**  
(for each Domain)

# PROCESS OF KU HACKATHON

1. KU Hackathon is based on 3 domains:

Smart Automation

Smart City

Green Technology

2. Select any one domain from the above.

3. Based on the selected domain, prepare an innovative/novel idea in the form of a PPT.

4. Upload the PPT with the registration fee of Rs. 100/- per member in the google link <https://forms.gle/JzURVyRdafYGvFLd8>

5. The last date for registration is 15<sup>th</sup> July 2023.

6. Teams shortlisted for the final round will be announced on 30<sup>th</sup> July 2023.

7. Teams shortlisted for the final round will have to pay a registration fee of Rs. 500/- per team prior to the event. They shall have to give presentation in **offline mode** on the 10<sup>th</sup> and 11<sup>th</sup> of August 2023.

## CONVENOR

**Dr R. Udaya Kumar**  
Professor & Dean,  
Department of CS & IT

## CO-CONVENORS

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## COMMITTEE MEMBERS

Ms. Taruna Chopra | Mr. Proshanta Sarkar | Mr. Pawan Kumar | Ms. Divya | Ms. Swati Tiwari | Ms. Anupa Sinha  
Ms. Nikita Pathrotkar | Ms. Shilpi Choubey | Ms. Kirti Nahak | Ms. Sushree Sasmita Dash | Mr. Akash Pandey



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