



Ministry of
Electronics &
Information Technology
Government of India



CODING CARNIVAL.

9 - 10 March, 2024

Unleash Your Code, Ignite
Innovation, Welcome to Coding Carnival!

Dept of CS&IT, Maulana Azad National Urdu University
Gachibowli, Hyderabad 500032



**CODING
CARNIVAL**



Ministry of
Electronics &
Information Technology
Government of India

About the Hackathon

Coding Carnival is two days long running **code-a-thon** that will be held from **March 9th to 10th 2024**. We call for artists, coders, designers, tech evangelists, creatives, and developers from all disciplines to take part to win **awesome prizes** and collaborate with other developers. Throughout the weekend coders at **Coding Carnival** will have unique opportunities to learn from each other trying hands in new technologies. We are determined to have an all-inclusive and diverse group of students attending.

ABOUT MEITY

The **Ministry of Electronics and Information Technology (MeitY)** traces its roots back to the establishment of the Department of Electronics and Information Technology (DeitY) in 2012, which later evolved into a full-fledged ministry on July 19, 2016. MeitY is entrusted with the responsibility of formulating and implementing policies to advance India's electronics and IT sectors. It oversees IT policy and strategy, promotes the development of the electronics industry.

ABOUT MANUU

Maulana Azad National Urdu University (MANUU) is a **Central University** established by an Act of Parliament in 1998. The headquarter and main campus of MANUU is located in **Gachibowli, Hyderabad, Telangana State**, over an area of 200 acres. The University is named after Maulana Abul Kalam Azad, the freedom fighter and outstanding scholar, who as the first Education Minister of Independent India.

Dept of CS&IT, Maulana Azad National Urdu University

Gachibowli, Hyderabad 500032



CODING CARNIVAL



Ministry of
Electronics &
Information Technology
Government of India

Domains

AR/VR, 2D, and 3D Content Creation



CHALLENGES

Develop prototypes with state-of-the-art tools and receive real-time feedback from AR/VR users and eLearning experts.

THEMES

- Create 2D & 3D animations for educational content.
- Explore Augmented Reality (AR) and Virtual Reality (VR) for content enhancement.
- Develop automated systems for generating content.

UI/UX Design



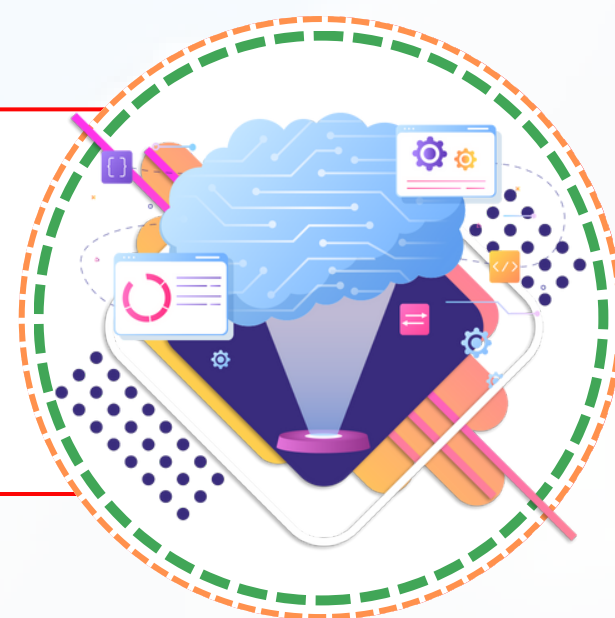
CHALLENGES

Design themes and templates for both web and mobile applications, incorporating all essential UI elements, while prioritizing intuitiveness, appeal, and inclusivity.

THEMES

- Develop 5-7 case studies for various landing page designs.
- Conduct usability testing for the landing pages.
- Implement and test recommendation systems for improving UI/UX.

MACHINE LEARNING



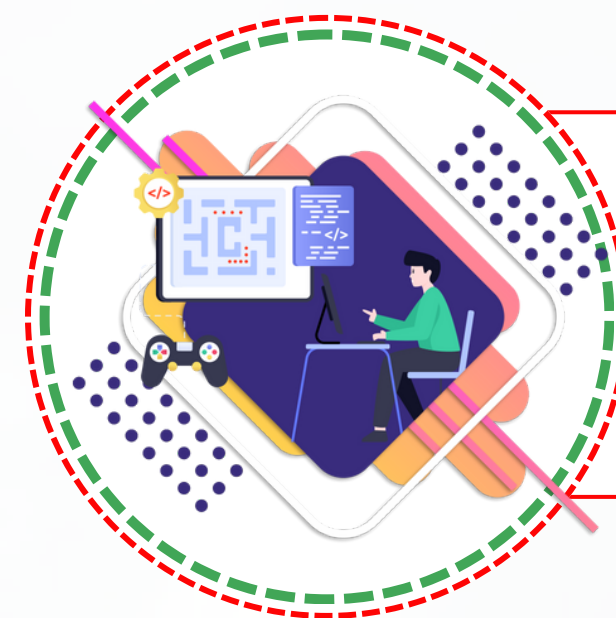
CHALLENGES

Design an ML-driven platform capable of facilitating inclusive learning environments by leveraging machine learning algorithms for given themes.

THEMES

- Motion Tracking in Games
- Auto Attendance for Persons with Disabilities
- Timetable Scheduling
- Detection of Disabilities using Machine Learning
- Behaviors and Learning Analytics
- Nearest Clinical Psychologist
- Psychiatrist Recommendation System
- Test Recommendation System
- Education Plan Generator
- Context-Based Translation

GAME DEVELOPMENT Web-based Games



CHALLENGES

Develop Intuitive and enjoyable learning experiences for children with intellectual disabilities in subjects such as Maths, English, Social skills, Science, and more.

THEMES

- Motor and Physical activities
- Self-care activities
- Communication skills
- Pre-academic and academic skills
- Time and Money Management skills
- Social and Community orientation skills
- Recreation and leisure time activities
- Domestic skills
- Prevocational Skills

Dept of CS&IT, Maulana Azad National Urdu University

Gachibowli, Hyderabad 500032



**CODING
CARNIVAL**



Ministry of
Electronics &
Information Technology
Government of India

Essential Guidelines for Hack-a-thon

Last date of Registration
5th March, 2024



Effective Communication

Articulate ideas clearly, avoiding technical jargon to ensure understanding by both technical and non-technical stakeholders.



Visual Enhancements

Use visuals like charts and graphs to illustrate key points, making the presentation engaging and aiding in the explanation of complex technical concepts.



Concise Project Introduction

Provide a brief yet comprehensive overview of the project, outlining objectives and relevance to help the audience grasp the context and significance.



Highlight Results and Impact

Clearly present project results, emphasizing their impact on the intended audience. Discuss challenges faced and demonstrate problem-solving skills and resilience.



Q&A Engagement

Dedicate time for a Q&A session, addressing inquiries with thoughtful responses. This not only clarifies doubts but also showcases a deep understanding of the project.



Note

Team members will be required to handover the codes to the event organizers for further progression.

Rules

- Judges decision will be final, no queries will be entertained.
- All codes and assets must be original.
- Teams must consist of 1 to 4 members.
- Participants can only compete in one track.
- Adherence to ethical hacking and development practices.
- All code, assets created/developed will become the part of the projects and its IPR will be held by Maulana Azad National Urdu University. And no participant of it can use it for commercial or personal purpose.

Dept of CS&IT, Maulana Azad National Urdu University

Gachibowli, Hyderabad 500032



**CODING
CARNIVAL**



Ministry of
**Electronics &
Information Technology**
Government of India

Total prize money

₹ 2.4 L*

To be won by the participating teams.

Attractive Prizes



₹ 25,000

1st prize of ₹ 25,000 & Gift Hamper
to each domain.

*Terms & conditions applied.



₹ 15,000

2nd prize of ₹ 15,000 & Gift Hamper
to each domain.

*Terms & conditions applied.



₹ 10,000

3rd prize of ₹ 10,000 & Gift Hamper
to each domain.

*Terms & conditions applied.



Gift Hamper

Attractive Gift Hamper to best try
of each domain.

*Terms & conditions applied.

Dept of CS&IT, Maulana Azad National Urdu University

Gachibowli, Hyderabad 500032



**CODING
CARNIVAL**



Ministry of
Electronics &
Information Technology
Government of India

Registration Fee

₹
350
PER MEMBER

Click / Scan to Register



Contacts



info@codingcarnival.in



+91 9973152523 | +91 8860282504



Dept of CS&IT, Maulana Azad National Urdu
University, Gachibowli, Hyderabad - 500032



www.codingcarnival.in



codingcarnival.manuu



coding-carnival

Dept of CS&IT, Maulana Azad National Urdu University

Gachibowli, Hyderabad 500032