



*Disha... The Guidance*

The Technical Committee of COER University



MANTHAN'24

# GIGABIT

## The Programming Event

### Event Overview:

Welcome to the Gigabit (The Programming Event)! This event consists of two rounds designed to test your knowledge, problem-solving skills, and coding abilities. Round 1 will be an Online Quiz, followed by Round 2, which is the Coding Round. Read the guidelines carefully to participate effectively.

Single participants (not team) can only participate in gigabit.

### Round 1: Online Quiz

Duration: 30 minutes

Format: Multiple Choice Questions (MCQs)

Number of Questions: 30

### Guidelines for Round 1:

- 1) Come to the designated place at least 10 minutes before the start time to ensure a smooth start.
- 2) The quiz consists of 30 MCQs covering a wide range of coding and computer science topics.
- 3) Each question has a time limit, so read and answer them promptly.

In case of technical issues, immediately contact the event organizers using the provided communication channels.

The quiz will be submitted when the time get completed, so manage your time wisely.



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## Round 2: Coding Round

Duration: 1 hour and 30 minutes

Format: Coding questions

Number of Questions: 3

### Guidelines for Round 2:

- 1) Round 2 will begin immediately after Round 1.
- 2) You will receive three coding questions with varying levels of complexity.
- 3) You are required to write and execute code to solve these questions within the allocated time.
- 4) You can use any programming language of your choice unless otherwise specified in the question.
- 5) Make sure to read each question carefully, understand the requirements, and plan your code accordingly.
- 6) Test your code thoroughly before submission to catch any errors.
- 7) Use the provided code editor on the platform to write and execute your code.
- 8) Submit your code for each question individually within the stipulated time frame.
- 9) In case of technical issues during the coding round, immediately contact the event organizers using the provided communication channels.

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# STRATEGEM

## Business Planning Event

Welcome to the Strategem Event, where participants will showcase their business acumen and strategic thinking. This event consists of two rounds: the Business Planning Round and the Executive Summary Round. Participants will have the opportunity to demonstrate their entrepreneurial skills and compete for success.

### Round 1: Business Planning Round

**Objective:** In this round, participants are required to submit a comprehensive business plan under a given budget of up to Rs 50 Lakhs.

### Guidelines for the Business Planning Round:

**1) Team Formation:** Teams should be pre-registered with a maximum of 5 and minimum of 4 participants per team.

**2) Business Plan Submission:** Each team must prepare and submit a detailed business plan within the stipulated time frame.

**3) Budget Allocation:** Participants must create a business plan that adheres to the provided budget of up to Rs 50 Lakhs. This budget should cover all aspects of the proposed venture, including capital expenditures, operational costs, marketing, and contingencies.

**4) Business Plan Components:** The business plan should include, but is not limited to, the following elements:

- Executive Summary
- Market Analysis
- Product/Service Description
- Marketing and Sales Strategy
- Financial Projections
- Operational Plan
- Risk Analysis



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- 5) **Judging Criteria:** The business plans will be evaluated based on creativity, feasibility, innovation, financial viability, and presentation quality.
- 6) **Presentation:** Shortlisted teams need to present their business plans to a panel of judges.
- 7) **Scoring and Results:** Scores will be tallied, and the top-performing teams will advance to the next round.

## Round 2: Executive Summary Round

### Guidelines for the Executive Summary Round:

- 1) **Shortlisted Teams:** Only teams that advance from the Business Planning Round will participate in this round.
- 2) **Executive Summary:** Teams must prepare a succinct executive summary of their business plan. This summary should highlight the key points and the most critical aspects of the business plan.
- 3) **Presentation:** Each team need to present their executive summary to a panel of judges within a specified time limit.
- 4) **Judging Criteria:** Evaluation will be based on the clarity, conciseness, and persuasiveness of the executive summary, as well as the quality of the presentation.
- 5) **Scoring and Results:** Scores will be tallied, and winners will be announced based on the combined scores from both rounds.
- 6) **Feedback:** Participants will receive feedback from the judges to help them improve their business planning skills.

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**PRAYOG**

## **Model Making Event**

Welcome to PRAYOG, the Model Making Event designed to encourage creativity, innovation, and hands-on learning for students at various educational levels. This project exhibition is open to both schools and colleges, providing a platform for participants to showcase their projects. Here are the guidelines for PRAYOG:

### **Event Overview:**

**Eligibility:** PRAYOG is open to students from schools and colleges at different levels.

**Team Formation:** Participants can compete individually or in teams.

**Project Categories:** Clearly define the categories or themes for the model-making projects. Examples may include science, technology, engineering, mathematics (STEM), social sciences, environment, arts, etc.

### **General Guidelines:**

**Project Selection:** Participants should choose a project related to the specified category/theme. Projects can be based on research, innovation, or creative expression.

**Project Originality:** Emphasize the importance of originality. Plagiarism or copying existing projects will not be tolerated.

**Project Documentation:** Participants must maintain clear documentation of their project work, including research, design sketches, and progress photos.

### **Judging and Evaluation:**

**Judging Criteria:** Criteria will include creativity, innovation, scientific accuracy, presentation, and overall impact and accordingly marks will be given to your team.

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# ROBOSYNC

## The ROBOTICS Event

Welcome to RoboSync, the ultimate robotics event featuring three exciting challenges: LFR Round, Robo-Soccer, and Robo-Picker. This event is designed to test your team's skills in building and controlling robots. Below are the guidelines for each of the three events

**Note: Maximum size of robot 12 Width and 15 Length (inches) and robot can have maximum 6 wheels and you can make different robots for each level.**

### Event 1: LFR Round (Line Following Robot)

**Objective:** Build an autonomous robot capable of following a line in a complex maze.

#### Guidelines for the LFR Round:

**Team Formation:** Teams should consist of a maximum of 4 members per team. Registration should be completed in advance.

**Robot Specifications:** Participants must design and build an autonomous robot specifically for line following. The robot should be self-contained and should not exceed specified dimensions.

**Maze Complexity:** The maze will be designed with various twists, turns, and intersections to challenge the robot's line-following capabilities.

**Time Limit:** Teams that fail to complete the maze within the allotted time will be disqualified.

**Scoring:** The robot's performance will be evaluated based on factors such as speed, accuracy, and successful completion of the maze.

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## Event 2: Robo-Soccer

**Objective:** Engage in a head-to-head soccer game between robots from two teams.

### Guidelines for Robo-Soccer:

- **Team Formation:** Teams must be pre-registered with a maximum of 4 participants per team.
- **Robot Specifications:**
  - Teams are required to design and build their own soccer-playing robots.
  - Robots must be capable of both autonomous and remote-controlled movements.
- **Soccer Field:**
  - The field will be 2.74m long and 1.525m wide.
  - The playing surface can vary, either being a ground with obstacles or a cemented area, so teams must design their robots to navigate these conditions effectively.

## Event 3: Robo-Fight

**Objective:** Build a manual robot capable of defeating its opponents in a head-to-head combat.

### Guidelines for Robo-Fight:

**Team Formation:** Teams should be pre-registered with a maximum of 5 participants per team.

**Robot Specifications:** Participants must design and build a manual robot capable of engaging in combat and eliminating its opponents.

**Course Complexity:** The arena will be a designated space with obstacles and terrain to challenge the robots.

**Weapons and Tactics:** Robots may be equipped with various weapons and tactics, such as spinning blades, battering rams, or grappling hooks.

**Time Trial:** A robot is eliminated when it is unable to continue fighting or when it is knocked out of the arena.

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# KURUKSHETRA

## LAN Gaming Event

Join us for an adrenaline-pumping gaming event like no other – the Kurukshetra Gaming Extravaganza! Step into the virtual battlegrounds of BGMI and Valorant, where epic clashes and strategic battles await. This event is a celebration of gaming prowess, teamwork, and strategic thinking.

### Event Highlights:

1. **Multi-Game Showdown:** Immerse yourself in a diverse gaming experience by participating in two thrilling tournaments – BGMI and Valorant. Each game offers its unique challenges, so gather your squad and show your skills across multiple genres.

2. **Epic Prizes:** Compete for a chance to win incredible prizes! From in-game rewards and exclusive merchandise to cash prizes, we've got an array of goodies to motivate you to give it your all.

### 3. Guidelines for Participants:

**Registration:** Participants must register in advance through the event website or designated platform. Ensure your team is correctly registered for the respective game(s).

**Equipment:** Make sure you have a stable internet connection and the necessary gaming equipment, including headsets, controllers, and mobile devices or PCs.

**Fair Play:** We encourage fair play and sportsmanship. Cheating, hacking, or exploiting game bugs will result in disqualification and a ban from future events.

**Teamwork:** For team-based games like Valorant and BGMI, effective communication and teamwork are essential. Work closely with your teammates, plan strategies, and adapt to changing situations.

**Schedule:** Familiarize yourself with the event schedule. Matches will have specific start times, so be punctual.

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**Streaming:** Stream your matches and share your gaming journey with the world. It's a great way to engage with your audience and showcase your skills.

**5. Community Engagement:** Join our online gaming community to stay updated with event news, connect with other participants, and share your gaming experiences. Use the event's official hashtags to be part of the conversation.

**6) Social Media Challenges:** Participate in fun social media challenges and win additional prizes. Share your best gaming moments, tips, and strategies to engage with the gaming community.

**7. Support and Technical Assistance:** Dedicated support teams will be available to assist with any technical issues or disputes during the event.

**Note: If someone is playing from their homes/not present at the venue they need to Turn on Their Hand Cam.**

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## National Hackathon 4.0 Guidelines:

### 1. Duration:

- The National Hackathon will span a total of 30-36 hours.

### 2. Team Composition:

- Each team must consist of a minimum of 4 members and a maximum of 5 members.
- It is mandatory for each team to have at least one female member (In special case it can be leaved as per the permission from the Committee Convenor).

### 3. Judging Rounds:

- There will be a minimum of 3 and a maximum of 4 judging rounds during the hackathon.

### 4. Attendance:

- All team members must be present during the judging rounds.
- Failure to have all team members present may result in disqualification.

### 5. Late Entries:

- No extra time will be provided for late entries. Teams must adhere to the specified deadlines.

### 6. Reporting Schedule:

- Reporting for the National Hackathon will commence on **October 13, 2024, starting at 2:00 PM.**
- The reporting period will continue until **October 14, 2024, ending at 9:00 AM.**

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## **Note:**

1. You can Get all the updates on our Instagram page i.e., [disha coer](#).  
You can click on the link to follow our Instagram page.
2. We will be live for your Questions Answers on our Instagram handle.
3. If you are having problem then you can dm us on Instagram.
4. Only Leader must visit for Reporting and Registrations on the help desk.