



PRESENTS

IPROCEERA

RULEBOOK



EVENTS



TREASURE HUNT

An adventure game wherein you will
hunt down the clues and find the lost city
treasure using a given map.

FROM:

-  1st March 2024
-  2 p.m. onwards
-  AMURoboclub

TO:

- 1st March 2024 
- Till 5 p.m. 

INSTRUCTIONS FOR TREASURE HUNT

- No. of participants : **4-5** (depending on number of participants)
- The game will commence from **AMURoboclub** and span from **Central Canteen to Polytechnic.**
- A volunteer will be assigned to each team, who will make sure that the teams are not engaging in any unethical behaviour.
- Any unethical behaviour from any participant will lead to disqualification of the entire team.
- **Use of any vehicle is prohibited.**
- Further instructions will be given to you once you arrive at the club.

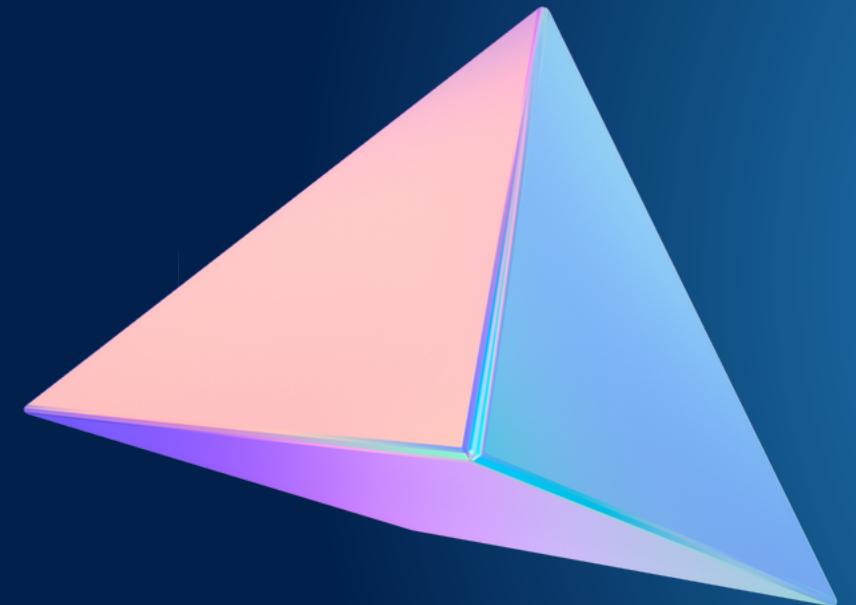
PRISES OF TREASURE HUNT:

First Prize: Rs. 2500 + Special Awards + Food Coupons

Second Prize: Rs. 1500 + Special Awards + Food
Coupons

SOFTWARE HACKATHON

in collaboration with



FROM:

 2nd March 2024

 10 a.m. onwards

 TPO Auditorium

A 36-hour hackathon where the teams have to develop a website/application based on the given themes.

TO:

3rd March 2024 

Till 10 p.m. 

INSTRUCTIONS

- Do not participate in **plagiarism**. Any team pertaining to such activities will be disqualified without any excuses.
- Maintain a new public **git repository** before beginning programming. Make regular commits over the course of the hackathon in the repo.
- Add names of the participants in a **PARTICIPANTS.md** file.

WORKFLOW

1. Opening ceremony
2. Hackathon starts
3. Mentoring session
4. Doubts/queries can be answered at any time
5. Submission
6. Finalists announced
7. Presentation(final round).
8. Results announced in the closing ceremony

SUBMISSION

1. Online submission through Google Forms.
2. Teams have to submit a video showcasing their product and its capabilities.
3. Upload the video to Google Drive and provide a link in GF.
4. Presentation round offline.
5. Registration at the start.
6. Submit the PPT according to the given template only.

THEME OF SOFTWARE HACKATHON

THEME 1: **Education Technology**

THEME 2: **HealthCare**

THEME 3: **Smart Campus**

THEME 4: **Social Impact**

THEME 5: **Open to Innovation**

THEME 6: **Sustainability and Environment**

JUDGING CRITERIA

1. Innovation and Creativity
2. Functionality and Completeness
3. User Experience (UX)
4. Technical Complexity
5. Impact and Utility
6. Presentation and Pitch
7. Code Quality and Documentation
8. Collaboration and Teamwork
9. Adherence to Theme or Challenge
10. Demo and Execution

PRIIZES:

First Prize: Rs. 10000+ Special Awards

Second Prize: Rs. 5000 + Special Awards

GOOGLE FORM:

<https://shorturl.at/cg1Y6>

IDEATHON

in collaboration with



A 48-hour event that will test the technical and entrepreneurial abilities of the participants. The contestants must develop a viable and cost-effective solution to real-world problems with presentations and pitch their ideas to judges.

FROM:

 2nd March 2024

 10 a.m. onwards

 TPO Auditorium

TO:

3rd March 2024 

Till 10 p.m. 

INSTRUCTIONS

- No. of participants - Maximum team size is **3**, minimum **1**.
- Event will be held in two rounds:
 - **ROUND 1** - In this round Participants have to propose a viable, cost-effective solution to a real-world problem statement, showcasing innovation, and presenting a strategic marketing approach. The teams will be given an initial rank based on the results of the first round.
 - **ROUND 2** - In this round, the shortlisted teams will pitch their model to the judges. The judges will be able to invest into the business ideas from their given budget. The teams will be called according to the ranks given after round 1. The team with the most investment will win.

JUDGING CRITERIA

1. Problem-Solving
2. Market Analysis & Marketing Strategy
3. Uniqueness
4. Solution Showcase
5. Business Model

SUBMISSION

1. **ROUND 1**- Presentation + Video pitch
2. **ROUND 2**- Presentation in front of Judges.

PRIZES:

First Prize: Rs. 5000+ Special Awards

Second Prize: Rs. 3000+ Special Awards

GOOGLE FORM:

<https://shorturl.at/rJKRY>

TECHNICAL PAPER WRITING & PRESENTATION

Submit a comprehensive review paper on any
of the following domains, and present it.

FROM:

 2nd March 2024

 10 a.m. onwards

 TPO Auditorium

TO:

3rd March 2024 

Till 8 p.m. 

DOMAINS

Submit a comprehensive review paper on any of the domains, and present it.

- Artificial Intelligence
- Cybersecurity
- Circuits
- Signal Processing
- Amplifiers
- Electromagnetics
- Green Chemistry
- Renewable Energy
- Waste Valorisation
- Control systems
- Power Transmission
- Fluid Mechanics
- Combustion and Energy Systems
- Human-Robot Collaboration in Manufacturing
- Smart Civil Infrastructure Systems
- Construction Management

INSTRUCTIONS

- Participation can be done individually or in a team of maximum **3** members.
- The paper could either be **published** or **non published**.
- There will be **two** rounds.
- First round will be a **paper submission** round where participants will have to submit the paper as a pdf in the google form.
- Shortlisted teams of the first round will have to present their paper in front of the judges in the **second round**.
- **10 minutes** will be given to each participating team for presenting the paper, which will be followed by a question answer session.

JUDGING CRITERIA

1. Problem Statement
2. Literature Survey
3. Implementation
4. Innovation
5. Results
6. Presentation Skills

PRIZES:

First Prize: Rs. 2000 + Special Awards + Food Coupons

Second Prize: Rs. 1000 + Special Awards + Food Coupons

GOOGLE FORM:

<https://shorturl.at/aqvA2>

CODE-A-THON

Platform - **HackerRank**

It will be a two-hour online coding contest.
Intermediate questions related to programming, data
structures and algorithms will be asked.

No. of Questions- **5**

FROM:

 1st March 2024

 8 a.m. onwards

 Online

TO:

1st March 2024 

Till 10 p.m. 

INSTRUCTIONS

- **Individual** participation only.
- Participants are free to choose their preferred programming language from the list of supported languages on the platform.
- The platform will provide a standard coding environment with compiler support for various languages.
- Once a solution is submitted, it **cannot** be modified. Ensure your code is thoroughly tested before submission.
- Each problem will have a **predefined score** based on its difficulty level.
- In case of a **tie**, the participant with the shorter total time will be ranked higher.
- **Plagiarism** and any form of cheating are strictly prohibited and will result in disqualification

PRIZES:

First Prize: Rs. 1500 + Special Awards + Food Coupons

Second Prize: Rs. 800 + Special Awards + Food
Coupons

Link for Code-A-Thon:

**[https://www.hackerrank.com/vercera-2024-
code-a-thon](https://www.hackerrank.com/vercera-2024-code-a-thon)**

PCB DESIGN COMPETITION



PCBs are hidden all around us in every single electronic device we see. Thus, many companies value the skill of designing of PCB very highly. This competition will test your proficiency and knowledge in designing PCBs.

FROM:

 3rd March 2024

 10 a.m. onwards

 AMURoboclub

TO:

3rd March 2024 

Till 1 p.m. 

AMURoboclub 

INSTRUCTIONS

- Participation can be done **individually** or in a **team of 2**.
- The participants will be required to use the given software, **Autodesk Eagle**, and not any other alternate PCB design software.
- The competition consists of **2** rounds, each contributing to the final marking with neither being the qualifying round.
- **Round 1:** MCQ-type and short-answer-type questions will be asked about the basics of PCB and participants will have to answer them in a set time.
- **Round 2:** Participants will be given a problem statement and circuit diagram, and they will have to design a single-layer through-hole PCB using Autodesk Eagle within the set time.
- **Participants have to bring their laptops with Autodesk Eagle installed beforehand.**
- Each round will have a fixed marking scheme and the winner will be declared in terms of the points they get.
- Each scorer will follow the marking scheme and will cross-check with another scorer to avoid any conflict.

PRIIZES:

First Prize: Rs. 2000 + Special Awards + Food Coupons

Second Prize: Rs. 1000 + Special Awards + Food Coupons

AI-ART BATTLE

A contest in which participants will compete to push the boundaries of creativity, merging technology and aesthetics, generating digital masterpieces.

FROM:

 1st March 2024

 7 p.m. onwards

 Online

TO:

3rd March 2024 

Till 12 a.m. 

INSTRUCTIONS

- **Individual** participation only.
- Participants are allowed to use any generative AI platform, a few being **GPT-4, Prodia, Midjourney, Leonardo.ai** etc.
- It will be a **29** hour online contest.
- Participants will have to choose a theme out of the 5 themes given to them and using that theme, they will have to create a scenario using **4 AI generated images**. **For example** - *If a person chooses Marvel as the theme, then he/she will have to depict a scene of any Marvel movie/series using 4 AI generated images.*
- Submission through Google form.
- Participants will have to submit a **pdf** file of **4 AI generated images** through the Google form.

JUDGING CRITERIA

1. Artistic Creativity (30 points):

- Originality and uniqueness of the artwork.
- The depth of connection to the theme given.

2. Technical Proficiency (20 points):

- Effective utilization of AI algorithms and tools.
- Overall technical execution.

THEMES

1. Marvel/DC

2. Harry Potter

3. The Godfather

4. Anime

5. Any Historical theme

PRISES:

First Prize: Rs. 1000 + Special Awards + Food Coupons

Second Prize: Rs. 500 + Special Awards + Food
Coupons

GOOGLE FORM:

<https://shorturl.at/jkqsz>

REEL COMPETITION

Capture the beauty and history of the AMU campus, with a special focus on ZHCET. Let your storytelling skills shine as you bring the essence of our iconic campus to life on screen.

FROM:

 1st March 2024

 7 p.m. onwards

 Online

TO:

4th March 2024 

 Till 10 p.m.

 Online

INSTRUCTIONS

1. Individual participation only.
2. Submission through Google form.
3. Participants must submit an Instagram link through the Google form.
4. Participants are supposed to post the reel on Instagram tag @amuroboclub and use hashtags #vercera and #amuroboclub.

JUDGING CRITERIA

1. Creativity
2. Cinematography
3. Editing
4. Storytelling

PRISES:

First Prize: Rs. 1500 + Special Awards + Food Coupons

Second Prize: Rs. 800 + Special Awards + Food
Coupons

GOOGLE FORM:

<https://shorturl.at/fiAEX>

GAMING

Games: FIFA, Tekken 8

Who doesn't love excitement? A fun packed and thrilling way to beat your opponents and bag huge cash prizes. Put your skills to the test and show ZHCET who is the best gamer of them all !

FROM:

 3rd March 2024

 10:30 a.m. onwards

 ML6/ML7, Main
Building ZHCET



INSTRUCTIONS FOR TEKKEN 8

- The format of the game is single elimination in each round.
- Each match will be of **3** rounds.
- Players are allowed to choose any character of their choice.
- Matches should be played **fairly and respectfully**.
- Any form of cheating, exploitation of glitches, or unsportsmanlike conduct will result in **disqualification**.
- Pausing the game in between the match is not allowed and will result in automatic disqualification.
- Each participant must reach the tournament venue within 5 minutes of their match slot, failing which they will automatically declared lost.
- **Note** : Players can bring their own controllers too, otherwise we will be providing.

INSTRUCTIONS FOR FIFA

- The format of the game is **single elimination** in each round.
- Choosing Adidas all stars and Soccer aid teams are not allowed.
- Each half will be of 5 minutes each.
- In case of a draw, the winner will be decided through penalties(Except for semi-final and final).
- Matches should be played fairly and respectfully.
- Any form of cheating, exploitation of glitches, or unsportsmanlike conduct will result in disqualification.
- Pausing the game in between the play is not allowed and will result in automatic disqualification except when the ball is out of play.
- Each participant must reach the tournament venue within 5 minutes of their match slot, failing which they will automatically declared lost.
- **Note :** Players can bring their own controllers too, otherwise we will be providing.

PRIZES FOR FIFA:

First Prize: Rs. 1000 + Special Awards + Food Coupons

Second Prize: Rs. 500 + Special Awards + Food Coupons

PRIZES FOR TEKKEN 8:

First Prize: Rs. 1000 + Special Awards + Food Coupons

Second Prize: Rs. 500 + Special Awards + Food Coupons

CLOSING & FELICITATION CEREMONY

On the closing ceremony, all the winners and runner-ups will be given prizes at the **Assembly Hall ZHCET**, commemorating their exceptional achievements and contributions during

FROM:

-  5th March 2024
-  4 p.m. onwards
-  Assembly Hall

VERCERA_3.0.

TO:

- 5th March 2024 
- Till 5:30 p.m. 



Thank You!



<https://vercera2024.netlify.app/>

<https://www.amuroboclub.tech/>

