PERCEPTRON 2.0

Ramakrishna Mission Vivekananda Educational and Research Institute

Belur, Howrah- 711202

April 6th , 2024

ABOUT US

Welcome to the Department of Computer Science at Ramakrishna Mission Vivekananda Educational and Research Institute

Perceptron has been a platform for showcasing innovation and knowledge. This year, Perceptron 2.0 promises an array of captivating events. Additionally, we are also thrilled to host a compelling seminar on Artificial Intelligence.

We cordially invite you to join us in this celebration of knowledge and innovation. Let's collaborate to make Perceptron 2.0 a resounding success and a memorable event for everyone involved. Your enthusiastic participation is eagerly awaited.

GENERAL INSTRUCTIONS

✓ All participants must carry a valid student ID card and a valid Government ID for registration and entry .

✓ The registration links will open on March 22nd ,2024.

✓ No participation fees will be taken on the events Lens And Light and Wordspire in "Perceptron 2.0".

✓ All on desk registrations will commence from 9:30 AM and will go on till 11:00 AM on the day of the event.

✓ Spot registration will be available for the events The Turing Show, Kart karnage and Exquizzit.

✓ In case of conflict , decisions of the judges will be final.

✓ Smoking is strictly prohibited inside our college campus.

✓ If any event has less than 5 registrations, it will be subject to cancellation.

✓ For any further queries, the participants may contact the event coordinator.

EVENTS

- THE TURING SHOW
- AI ALCHEMY
- EXQUIZZIT
- TECH TALK
- KART KARNAGE
- LENS & LIGHT
- WORDSPIRE

THE TURING SHOW

Code Your way to Victory

Coding Competition

Unleash your coding prowess, elevate your problem-solving skills.

GENERAL GUIDELINES

- The event will consist of one round with five coding questions.
- Participants will have a time limit of 1 hour to solve the given problems.
- All coding solutions must be submitted through the designated platform provided by the organizers.
- Participants are expected to adhere to the principles of honesty and integrity throughout the event.

ELIGIBITY

- All those of age 15-25 are eligible to participate.
- Participants must register prior to the event through the provided registration process.

ENVIRONMENTAL TOOLS

- Participants are allowed to use C, C++, Python, or Java as their programming languages.
- Participants are not permitted to utilize AI prompting tools such as ChatGPT or Gemini.
- The contest will be conducted in Hackerrank.

SCORING

- Each problem will have a pre-determined score.
- A participant's score depends on the number of test cases a participant's code submission successfully passes.
- If a participant submits more than one solution per challenge, then the participant's score will reflect the highest score achieved.
- Participants are ranked by score. If two or more participants achieve the same score, then the tie is broken by the total time taken to solve all the test cases.
- Any decision taken by the judges will be considered final.

PLAGIARISM & CHEATING

- Participants are expected to solve the problems individually.
- Plagiarism, cheating, or any form of academic dishonesty will result in immediate disqualification.
- All submitted solutions will be subjected to plagiarism detection tools.

- The entry fee for each team is Rs 50.
- The top 3 players of the final round will receive cash prizes (will be announced by the event organizers)
- Last date of registration is 5th April, 2024. On desk registration is also available

Participants are encouraged to contact representatives for any clarifications or doubts.

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AI ALCHEMY

Idea Transmutation

A. I. BASED SOLUTIONS TO REAL WORLD PROBLEMS

Where minds collide, algorithms evolve, and innovation stands out

Guidelines:

- Each team can consist of atmost two members, both being enrolled in an undergraduate or postgraduate course.
- Cross institution participation is allowed
- Each team must submit an abstract consisting of a brief overview of the problem they are working on and the solution. Each team will receive a submission link for this purpose.
- The problem must be of practical importance, and the solution must involve ML, DL, or other learning-based approach.
- The final date of submission is April 1st, 2024.

- Among the submitted abstracts, the chosen will advance to the final presentation stage.
- Upon being selected, the team must present their projects within a 10 minute window utilizing 5-10 slides covering introduction and the proposed methodology on the day of the event.
- Results, be they in the form of images, texts, or live demonstrations, along with performance metrics, will be highly appreciated.

- The entry fee for each team is Rs 50.
- The event will be conducted in hybrid mode.
- If any participant wishes to give their presentation in online mode, he or she must respond to the selection mail. The last date to request is 4th of April.

Participants are encouraged to contact representatives for any clarifications or doubts.

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EXQUIZZIT

Where Knowledge Reigns Supreme

Quiz

Let's see how you perform without ChatGPT

TEAM COMPOSITION

- Each team must consist of two members from the same college/institution.
- A maximum of two teams from any single college/institution are allowed to participate or register for the quiz.
- Age of participants must be between 15 to 25 years.

STRUCTURE

- The Quiz comprises 2 Rounds: a Screening Round followed by the Final Round.

SCREENING ROUND

- Participants will undergo a test, and based on their performance, 5 teams will be selected for the Final Round.

FINAL ROUND

- The Final Round consists of three sub-rounds, culminating in a 'Rapid Fire Round.'

GENRES

- Screening Round questions will cover Aptitude cum Maths, General Knowledge, Ramakrishna movement, and Sports.
- Final Round questions will encompass Art-Literature, Music, Inventions and Inventors, Travel & Tourism, Higher Order Thinking Skills (HOTS), Sports, Entertainment, Technology, and more.

TIE-BREAKING RULES

- In the event of a tie during the Screening Round:
    - Preference will be given to the team with the highest marks in the Maths cum Aptitude section.
    - If a tie persists, the scores in the General Knowledge section will be considered.
- For the Final Round, a tie-breaking round will be conducted if necessary.

- The entry fee for each team is Rs 50.
- 3 teams will be selected from the Final Round for the prize distribution ceremony.

These rules have been established to ensure fairness and integrity throughout the competition. We encourage all participants to adhere to these guidelines and showcase their knowledge and skills to the fullest extent.

Last date of registration is 5th April, 2024.
On desk registration is also available

Participants are encouraged to contact representatives for any clarifications or doubts.

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KART KARNAGE

Race, Crash, Conquer

Gaming Contest

Battle for glory in an adrenaline-fueled contest like no other

Showcase your driving skills in a thrilling contest with obstacles, power-ups, and high speeds as you compete against fellow players

Whether you're a seasoned veteran or a fresh face to the game, everyone is invited to test their skills and vie for the coveted title of track champion. Select your trusty kart, and gear up for an electrifying showdown.

ELIGIBILITY

- The competition is open to individual participants only.
- Age limit is 15-25.
- All participants must register through the assigned registration process.

FORMAT

- The Tournament will consist of multiple rounds.
- Top 3 players from each match will be qualified for the next round. (Let's say we have 40 players, then we will have 4 matches with 10 players each in the first round and then 3 players from each match will go to the next round,12 in total, then with these 12 players a final match will be conducted, the top three(winners) will be decided from this match.)
- Each match last for 10 minutes and number of players per match is 8-12 (tentative).

EQUIPMENT

- The participants can bring their own device (phone/tab/laptop) otherwise we will provide our lab's computers.

FAIR-PLAY

- Using third-party scripts or programs that give the players unfair advantages over other players (including exploiting bugs), triggers (external or inbuilt in phones), GFX tools will result in immediate disqualification without any refund.

MAPS

- 3 Maps will be available during the event which will be chosen randomly, the maps will be announced soon.

TIE-BREAKER

- In the event of a tie, highest K/D(kill/death) player (same kills but fewer deaths) will be selected .
- If K/D is also same, a Score Target match will be played and the first player to score 5 points will be selected. The map for this match will be "The Old Graveyard".

NETWORK ISSUE

- If a player gets disconnected during a match, the game will continue. The player may rejoin the game when they can. We'll keep track of your previous scores and will add them up at the end.

- The entry fee for each team is Rs 50.
- The top 3 players of the final round will receive cash prizes (will be announced by the event organizers)
- Last date of registration is 5th April, 2024. On desk registration is also available.

Participants are encouraged to contact representatives for any clarifications or doubts.

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LENS & LIGHT

Capture Perspectives

Photography

Where megapixels meet mastery & ISO illuminates imagination

Guidelines:

- Ensure that your photographs are accompanied by a proper timestamp.
- The theme for this competition is Holi/Dolyatra or Silhouettes at Sunrise/Sunset & Long Shadows during Golden Hour.
- Aspect Ratio is 3:4 or 4:3; both are accepted.
- **Silhouettes at Sunrise/Sunset**: Utilize the soft, warm light of sunrise or sunset to create striking silhouettes against colorful skies. Position your subject in front of the rising or setting sun to capture its outline against the vibrant hues of dawn or dusk.
- **Long Shadows During Golden Hour**: Take advantage of the golden hour-the hour after sunrise or before sunset-when the sun's angle produces long, soft shadows. Use these elongated shadows to add depth and drama to your compositions, emphasizing the contours of landscapes or structures.

- Each participant may submit a maximum of two photographs from each of the mentioned subjects.
- The first photograph serves as the primary entry for determining the winners. In the event of a tie, the second photograph will act as the tie-breaker.
- While the second photograph is optional, its absence in case of a tie-breaker will result in a deduction of points for the participants.
- Registration closes on April 2nd , 2024. Participants can expect to receive the submission link shortly thereafter.

Participants are encouraged to contact representatives for any clarifications or doubts.

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WORDSPIRE

Verses that spark

Essay Writing

Craft your narrative - a canvas of creativity to flourish

Guidelines:

- The registration closes on March 31st , 2024 at 11:59 PM.
- The topics will be revealed on April 1st, 2024 at 7:00 PM.
- Each participant is limited to one submission only, within a 24 hour timeframe.
- The submission either needs to be in a Doc or Pdf format.
- The submission links will be provided shortly after the registration closes.
- Originality is key – any AI-generated or plagiarized content will result in immediate disqualification.

Participants are encouraged to contact representatives for any clarifications or doubts.

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REGISTRATION RULES

- Submit the payment of Rs 50 for any selected offline event (Coding, Gaming, AI Hackathon, and Quiz) using the provided payment link on the subsequent page. Capture a screenshot of the successful transaction along with the transaction ID.

- Complete the Google Form, including the transaction ID, and upload the screenshot to the designated field.

- **NOTE:** Only one payment of Rs 50 is required for each group/individual events. No payment is necessary for online events (Photography and Essay Writing).

- The on desk registration will start at 9:30 AM. All the offline participants are requested to reach the campus 15 minutes prior to avoid last minute rush.
- The participants must carry a valid student ID along with a valid Government ID

Rake in the Loot

For Offline Events

- The Turing Show
- A.I. Alchemy
- ExQuizzit
- Kart Karnage

Cash Prizes are

- 1st Place: Rs 3000
- 2nd Place: Rs 2000
- 3rd Place: Rs 1000

For Online Events

- Wordspire
- Lens & Light

Cash Prizes are

- 1st Place: Rs 2500
- 2nd Place: Rs 1500
- 3rd Place: Rs 500

Payment Link:
https://zfrmz.in/84cP630ih20tuDujAfFy

Registration Link:
https://forms.gle/tpzTV5DgH3dbsnHLA

For any assistance regarding payment options, campus directions, or other inquiries, please don't hesitate to reach out to the following members:

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Thank You