

Perceptron 2023

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A REPORT



Team Perceptron
CS Department, RKMVERI



PERCEPTRON





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Tech Fest organized by the Students of Computer Science Department, RKMVERI.

The aim of Perceptron was to provide a platform for students to learn and apply their acquired skills. The fest consisted of several student interaction events, technical competitions and lectures by prominent personalities from academia. Perceptron was a mix of both technical and non-technical events allowing students to come out and showcase their talent in both the fields.

The technical event consisted of Stratagem (Case study), Phronemophilia (Poster Presentation) and The Turning Show (Coding Competition). The thrilling non-technical events consisted of Better Call Tal (Chess Competition) and Ex-Quizzit (Quiz Competition).

Students from different colleges of West Bengal participated in the event and made the event a great success. Ramakrishna Mission Vidyamandira, Jadavpur University, Academy of Technology, Maulana Azad college, IEST Shibpur, McKV Institute of Engineering, I Ramakrishna Mission Vivekananda Centenary College, Scottish church were some of the colleges from where we saw large number of participations. Apart from the colleges, The Chess Competition saw a healthy participation from the school going students which made the event more memorable.



SPONSORS



Perceptron '23 was sponsored by Vista Intelligence and was co-sponsored by Punjab National Bank.

Using technology & artificial intelligence, Vista Intelligence aspires to help the world of finance & business. Vista Intelligence is a team of professionals from domains like capital markets, agriculture, energy etc. and the subject matter experts covering fields of statistics and artificial intelligence.



Organizing Team



One of the main successes behind the fest lies in the detailed work of the organization team for different aspects of the fest. Below are the list of events and the team associated with it who made it all possible on the day:

1. Stratagem (Case study): Prakash Samanta, Rittik Dey
2. Phronemophilia (Poster Presentation): Anirban Chakraborty, Premanshu Chatterjee
3. The Turning Show (Coding Competition): Soumyajyoti Das, Shubhankar Nag
4. Better Call Tal (Chess Competition): Arnab Dutta Chowdhury
5. Ex-Quizzit (Quiz Competition): Srirup Mitra

Beside the events on the final day, the people who worked day and night to make the fest a grand success is worth mentioning. Below are the list of departments and the people associated with them:

1. Secretary: Udvas Das
2. Joint Secretary: Kamal Budhory
3. Convener: Equbal Hossain
4. Treasurer: Samrat Ghosh
5. Anchor (on the day of the event): Aritra Saha
6. Design Team: Krishnakanta Maity, Nilabja Ghosh
7. Social Media Team: Saikat Patra, Shibajee Sarkar, Aritra Saha
8. Sponsorship: Manjis Majumdar, Kamal Budhory
9. Logistics: Subhojit Sarkar, Debayan Dutta, Anupam Roy



EVENTS

Better Call Tal



The event witnessed intense and fierce competition among talented players, with participants ranging from seasoned veterans to up-and-coming prodigies. The event was filled with calculated moves, daredevil sacrifices and nail-biting finishes as participants pushed their abilities to the limit in the pursuit of victory.

Venue: Common Study Hall

Date: 13th January, 2023

Time: 3:30 pm to 6:00 pm.

Number of participants: 34

Winners:

Champion: Tathagata Banerjee

Runners Up: Harshit Saha

2nd Runners Up: Pritam Jana



The event saw the exhibition of a few exceptional strategy build ups where participants decoded the given Case Study Problem on **‘The Resurrection of BSA’** and provided effective strategies to combat the problem.

As it was a team-wise performance, each team comprised a maximum of 2 members. The event was judged by Dr. Soumitra Samanta and Swami Shastravidyananda, professors of Computer Science Department, RKMVERI.

Venue: Saradananda Seminar Hall (SSH)

Date: 13th January, 2023

Time: 11:30 am to 1:15 pm.

Number of teams: 2

Winners: Team ThinkTank, Academy of Technology



EVENTS

The Turing Show

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This event witnessed the

Venue: Arya Lab. Hosted on <https://www.hackerrank.com/> website.

Date: 13th and 14th January, 2023

Time: 13-01-2023 : 11:45 AM to 01:15 PM

14-01-2023 : 12:05 PM to 02:20 PM

Number of participants: 12

Winners:

Champion: Darpan Bhattacharya

Runners Up: Aviroop Mitra

2nd Runners Up: Sougata Pandit



Champion



Runners Up



2nd Runners Up

EVENTS

Ex-Quizzit

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The event witnessed some phenomenal performances by the teams participated to flaunt their power of general knowledge. The teams each of which consisted of two players gave some rivalrous competition that ignited the spectators in the venue and made the event tremendously successful.

Venue: Saradananda Seminar Hall (SSH)

Date: 14th January, 2023

Time: 3:00 PM – 6:00 PM

No. Of Teams Participated: 25

Winners:

Champion: Comfortably Dumb (Karishnu Banerjee & Kritadhi Banerjee)

Runners Up: Team Vencedores (Souptik Ghosh & Thirtharaj Sarkar)

2nd Runners Up: Scottish Gang (Mounakh Roy & Swastil Sinharay)



EVENTS

Phronemophilia

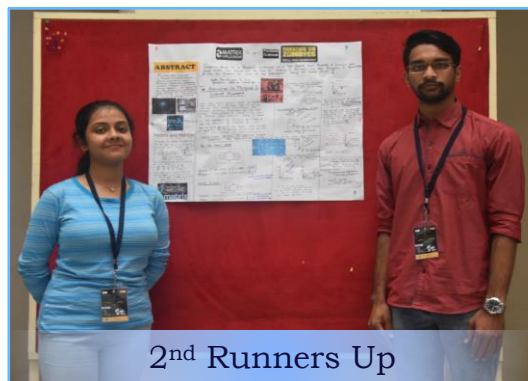
The poster presentation showcased a diverse range of research projects, featuring work from both established scholars and emerging researchers. Attendees were treated to a visual feast of compelling data visualizations, informative diagrams, and thought-provoking text. The presentations covered a wide range of topics, from cutting-edge scientific research to thought-provoking social and cultural analyses. Throughout the event, participants engaged in lively discussions and insightful debates, pushing the boundaries of knowledge and exploring new avenues of inquiry. Overall, the poster presentation was a testament to the vibrancy and vitality of research in the field, showcasing the many ways in which scholars are working to deepen our understanding of the world around us.

Venue: Saradananda Seminar Hall (SSH)

Date: 14th January, 2023

Time: 3:00 PM – 6:00 PM

Winners: **Champion: Arpan Dutta**
Runners Up: Subhojit Sarkar
2nd Runners Up: Anirban Chakraborty & Team Tsunami (Sanghamitra Majumder and Nilay Santra)



Inauguration



- The Techfest started off with its Inauguration by the gracious presence of the chief guest, Swami Atmapriyananda Maharaj, who is the Pro-Chancellor of Ramakrishna Mission Vivekananda Educational and Research Institute as well as the Secretary of the University Centre at Belur.
- The Inauguration began with Swami Dhyaganamananda, the head of the Computer Science department welcoming the chief guest.



- It was then followed by the prayer by the chief guest along with the monk professors of the Computer Science department who were also joined by the participants, students and the other professors.

Inauguration



- The participants, students and the professors were then blessed by an insightful speech by the chief guest Swami Atmapriyananda Maharaj.



- At the end, the organizing committee members then welcomed all the professors of the department of Computer Science



Inauguration



- The event ended with the blessings of Swami Atmapriyananda Maharaj along with the shanti mantra chanted by the monk professors of the department.



1. By Professor Sukumar Ghosh on 13th January at 14:00 hours.

- **Prof. Sukumar Ghosh** is a professor emeritus of the department of Computer Science of **The University of Iowa**. His area of interests are distributed Systems, distributed algorithms, self-managing systems, P2P and social networks, blockchain.
- He gave a very interesting seminar on the topic of self-managing distributed systems. The seminar was very interactive and interesting. The main concept was about how to handle any error in a distributed system without outside interventional. The problem of synchronizing ternary clocks was the perfect example for understanding the concept. Sir called a volunteer to whiteboard and solve this out of sync problem using a simple algorithm. The clocks synchronized themselves in a small number of iterations. This was the perfect lecture which engaged the audience very well.



2. By Professor Bhabatosh Chanda on 14th January at 14:00 hours.

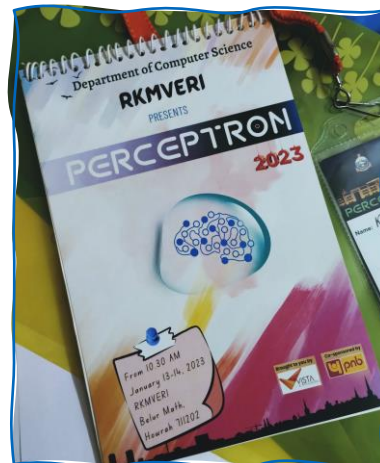
- **Prof. Bhabatosh Chanda** is a former professor of **Indian Statistical Institute** and is a professor of **Indian Institute of Information Technology Kalyani**. His area of interests is digital image processing, pattern recognition, computer vision and image analysis, mathematical morphology, and AI techniques in computer vision. He has been actively working in the field for more than 25 years.
- He gave a brief seminar on classical computer vision. Talks consist of digital image processing, pattern recognition. The talk was very interesting and interactive. The audience got interested in computer vision. This was the perfect seminar which engaged the audience very well.



Decoration



PERCEPTRON
2023



Thanks



At last, we take the privilege to thank all the faculties and staff of the Department of Computer Science, RKMVERI, without their constant support and guidance this event would not have been possible. We thank all the participants who came from their respective prestigious institutions to make this event a huge success. We would also like to thank all the volunteers who worked relentlessly throughout these two days to make sure all the activities were going smoothly.

“Teamwork is the ability to work together toward a common vision. The ability to direct individual accomplishments toward organizational objectives. It is the fuel that allows common people to attain uncommon results.” – Andrew Carnegie

