Technical Report

Inter-College Hackathon

College of Engineering and Management, Kolaghat

Department of Computer Science and Engineering

Subject: A comprehensive technical report on the Inter-College Hackathon organized by the Department of Computer Science and Engineering, detailing the event structure, participating teams, judging process, and final results.

Report Prepared by: ***Prof. Soumitra De*** *(Convener, Technical Activities)*

Co. Managed by: ***Subhrangsu Das (****CSE/23/115****)***

Date: 18th April 2026

1.0 Executive Summary

This report documents the Inter-College Hackathon organized by the Department of Computer Science and Engineering at the College of Engineering and Management, Kolaghat. The event brought together student teams from within the college to ideate, build, and present innovative solutions in a single competitive round. A total of 14 teams participated, spanning hardware prototypes and software applications including websites and mobile apps.

As this was an inter-college hackathon, the judging authority was vested entirely in an external judge — an industry-recognized academician — ensuring complete impartiality and professional rigor in the evaluation process.

2.0 Event Overview

- **Event:** Inter-College Hackathon
- **Organizing Body:** Department of Computer Science and Engineering, CEMK
- **Month:** M 2026
- **Venue:** College of Engineering and Management, Kolaghat
- **Participating Teams:** 14 teams
- **Format:** Single-round presentation and prototype demonstration

3.0 Event Format

The hackathon followed a single-round format, distinguishing it from the multi-round structure of internal competitions. Each participating team was allocated a dedicated 15-minute presentation slot, during which they were required to:

3.1 Idea Presentation

Teams presented the problem statement they aimed to solve, the rationale behind their approach, and the innovation their solution brought to the domain. Clarity of concept, feasibility, and potential real-world impact were key aspects evaluated during this segment.

3.2 Prototype Demonstration

Following the idea pitch, each team demonstrated a working prototype of their solution. Teams with hardware-based projects demonstrated physical working models, while teams with software-based projects demonstrated functional websites or applications. A working prototype was mandatory — conceptual designs without a working model were not accepted.

The judging panel evaluated each team's presentation and prototype consecutively, and final rankings were declared at the end of all presentations.

4.0 Judging

As this was an Inter-College Hackathon, the sole judging authority was an external judge. Internal faculty did not participate in the evaluation process, ensuring complete impartiality and an unbiased assessment of all participating teams regardless of department or batch affiliation.

4.1 External Judge

Detail	Information
Name	Prof. Debasish Biswas
Department	Department of Computer Science & Technology
Institution	Women's Polytechnic, Chandernagore
Affiliation	Govt. of West Bengal

4.2 Judging Criteria

- **Problem Statement & Innovation:** Clarity of the problem identified and the novelty of the proposed solution
- **Technical Feasibility:** Practicality and soundness of the technical approach adopted
- **Prototype Completeness:** Degree to which the working model fulfils the stated objectives
- **Presentation & Communication:** Clarity, confidence, and effectiveness of the team's pitch
- **Impact & Scalability:** Potential real-world applicability and scope for scaling the solution

5.0 Participating Teams

A total of 14 teams participated in the hackathon. The presentations were held in two sessions separated by a lunch break, with teams presenting in the following order:

Sl.No.	Team Name	Team Leader	Team Members
2	**Xenon**	Arghadeep Chakraborty cse23136@cemk.ac.in	Moulisha Roy, Abhiroop Mukherjee, Sujay Dutta, Pallab Dey (CSE/23/170)
3	**Logic Loops**	Alankrita Maiti cse25009@cemk.ac.in	Ankita Maity (CSE/25/239), Arpan Maity (CSE/25/057), Sanket Ghorai (CSE/25/051), Saswati Manna (CSE/25/059), Sreyasree Thandar (CSE/25/060)
4	**Astronudge**	Sayantan Paul cse22100@cemk.ac.in	Pubali Sarkar (CSE/22/148), Parthib Pal (CSE/22/098), Sritanu Maity (CSE/22/147), Soumyajit Maity (CSE/22/101)
5	**Yukti**	Krishna Prasad Khamrai cse25104@cemk.ac.in	Dibbyan Ghosh (ECE/25/07), Nayan Narayan Mondal (ECE/25/06), Sanchita Maity (CSE/25/185), Arunabha Mishra (CSE/25/294), Debalina Ghosh (CSE/25/131)
6	**Green Tech**	Vivek Giri it2320@cemk.ac.in	Anusri Ruidas (IT/23/10), Suvajit Mondal (IT/23/37), Anubhav Basuli (IT/23/31), Dipanwita Ghara (IT/23/16), Avik Mitra (IT/23/12)
7	**LabSphere**	Akshay Kumar Dhara cse25076@cemk.ac.in	Ritam Kumar Jana (CSE/25/068), Gourish Pal (CSE/25/058), Anwesha Ghosh (CSE/25/067), Soumili Metya (CSE/25/069), Avhijit Nandigrami (CSE/25/080)
8	**HACKSPIRE**	Indranil Samanta cse25205@cemk.ac.in	Arijit Sardar (CSE/25/046), Neha Kumari Yadav (CSE/25/034), Saptak Samanta (CSE/25/049), Bindeswar Das (CSE/25/179)
9	**GEN NEXUS**	Prantik Kolay cse25031@cemk.ac.in	Debangshu Midya (CSE/25/054), Dipti Das (CSE/25/235), Arin Samanta (CSE/25/032), Diptarka Mallik (CSE/25/013)

10	**IGNITE**	Aparajita De aiml24009@cemk.ac.in	Pritam Singh (AIML/24/012), Debanshu Guchhait (AIML/24/005), Anwesha Santra (AIML/24/007), Shreya Das (AIML/24/003), Sopan Sundar Bhukta (AIML/24/001)
11	**Code Reflex**	Sayak Bhattacharya cse23089@cemk.ac.in	Soham Bhattacharyya (CSE/23/100), Sirsendu Hazra (CSE/23/139), Sneha Kumari (CSE/23/150), Sohandev Karmakar (CSE/23/133), Sk Habib Hossain (CSE/23/118)
12	**CodeX**	Krishan Dolui cse24038@cemk.ac.in	Shyamal Bera (CSE/24/039), Sagnik Ghosh (CSE/24/036), Trisa Ghanta (CSE/25/019), Arpan Mondal (CSE/24/093), Anal Adhikari (CSE/24/027)
13	**OMNICORN ROBOTICS**	Akash Patra ece2245@cemk.ac.in	Sudipta Manna (ECE/22/60), Souvik Kumar Sau (ECE/22/64), Sreejan Das (ECE/23/016), Sohima De (ECE/23/014), Sourav Ghosh (ECE/23/017)
14	**Imposters**	Tathagata Debnath aiml2320@cemk.ac.in	Tandrila Chakraborty (AIML/23/27), Srijeet Kumar Bhowmik (CSE/23/045), Rupayan Bhattacharya (CSE/23/066), Siddhartha Bose (AIML/23/23)

6.0 Results

Based on the evaluation by the external judge, Prof. Debasish Biswas, the following teams were declared winners of the Inter-College Hackathon:

Sl.No.	Team Name	Team Leader	Email	Position
1	**Code Reflex**	Sayak Bhattacharya	cse23089@cemk.ac.in	**1st**
2	**OMNICORN ROBOTICS**	Akash Patra	ece2245@cemk.ac.in	**2nd**
3	**Xenon**	Arghadeep Chakraborty	cse23136@cemk.ac.in	**3rd**

7.0 Volunteers

The following students served as volunteers for the hackathon and played a key role in ensuring the smooth conduct of the event, including team coordination, time management, logistics, and technical support during prototype demonstrations:

Sl.No.	Student Name	Roll No.	Role
1	Subhrangsu Das	CSE/23/115	Host & Technical Support
2	Debosmita Samanta	CSE/23/016	Documentation
3	Nayana Manna	CSE/23/145	Documentation
4	Nelkantha Dey	CSE/23116	Photographer
5	Apabrita Ghosh	CSE/23/110	Volunteer
6	Madhuchhanda Chakrabarti	CSE/23/053	Volunteer
7	Aditi Mondal	CSE/23/58	Volunteer
8	Soumili Parai	CSE/23/26	Volunteer

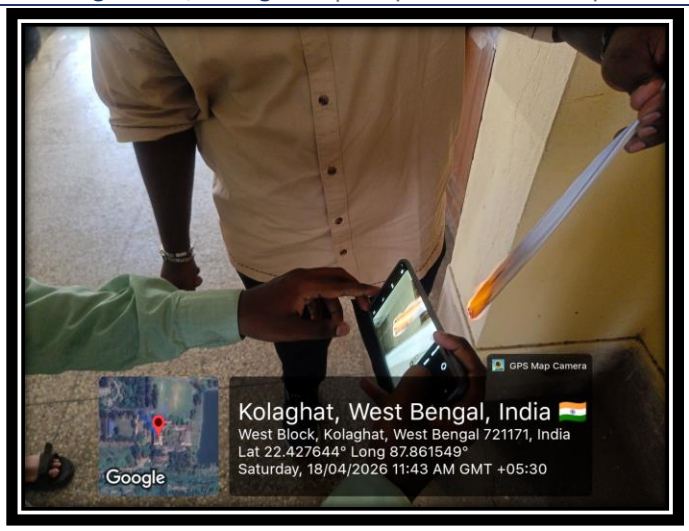
8.0 Conclusion

The Inter-College Hackathon was a resounding success, providing a competitive yet collaborative platform for students to showcase their technical creativity and problem-solving capabilities. The single-round format — combining an idea pitch with a mandatory working prototype demonstration — ensured that only teams with genuinely functional solutions were recognized.

- **Strong Participation:** 14 teams competed, representing a broad cross-section of departments and batches within the college.
- **Diverse Solutions:** Participating teams presented both hardware prototypes and software applications, demonstrating the multidisciplinary nature of student innovation at CEMK.
- **Impartial Evaluation:** The exclusive use of an external judge from a government institution ensured that results were entirely merit-based and free from institutional bias.
- **Recognition of Excellence:** The winning teams — Code Reflex (1st), OMNICORN ROBOTICS (2nd), and Xenon (3rd) — demonstrated exceptional technical competence, presentation quality, and prototype functionality.
- **Future Outlook:** The enthusiasm and quality of submissions strongly encourages the department to continue hosting inter-college hackathons, providing students with larger competitive arenas and greater exposure to real-world problem solving.

9.0 Photographs

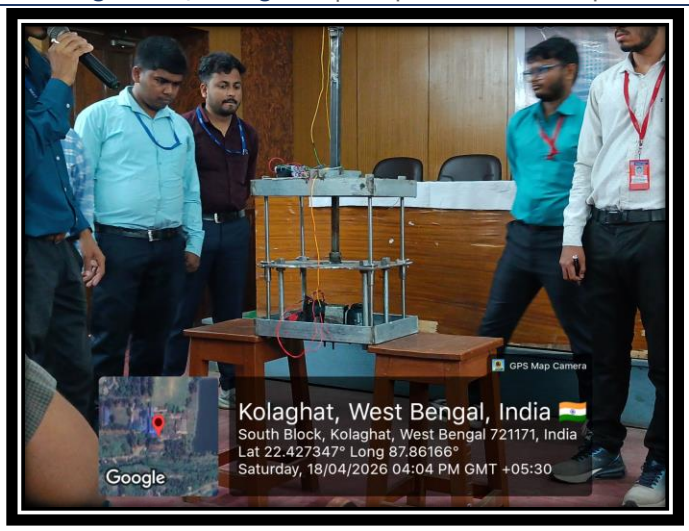
A participant presenting their Software before the judges | 18 Apr 2026, 10:18 AM | Lat 22.427118° Long 87.861628°



Participants showcasing their software prototype during the demonstration phase | 18 Apr 2026, 11:43 AM | Lat 22.427644° Long 87.861549°

Judges examining an RFID-based Arduino prototype developed by a participating team | 18 Apr 2026, 12:09 PM | Lat 22.427112° Long 87.861618°

A student team presenting their project | 18 Apr 2026, 2:47 PM | Lat 22.427099° Long 87.861635°



A mechanical prototype built by a competing team | 18 Apr 2026, 4:04 PM | Lat 22.427347° Long 87.86166°

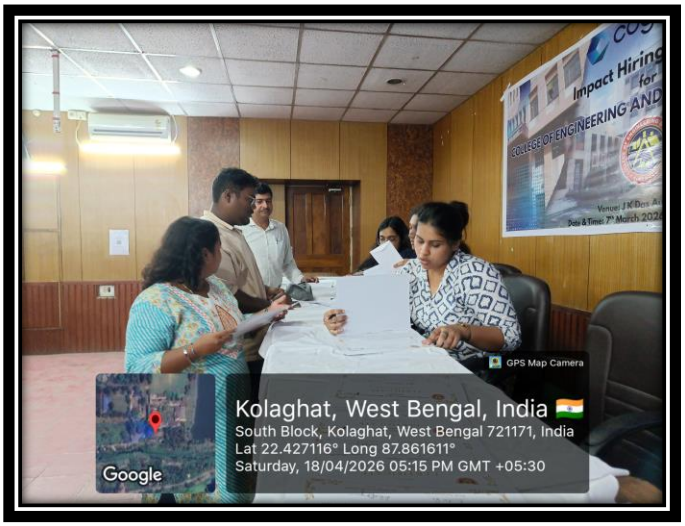
Judges evaluating team presentations | 18 Apr 2026, 2:40 PM | Lat 22.427072° Long 87.861634°

Judges, Committee Members and Audience seated in the auditorium | 18 Apr 2026, 5:09 PM | Lat 22.427219° Long 87.861619°

TAC Convener delivering the closing remarks | 18 Apr 2026, 5:02 PM | Lat 22.42719° Long 87.861642°

External judge addressing at the conclusion of the hackathon | 18 Apr 2026, 5:06 PM | Lat 22.427119° Long 87.861631°

Director addressing participants | 18 Apr 2026, 5:10 PM | Lat 22.427123° Long 87.861628°



Prize distribution ceremony — organizing committee members preparing certificates and prize documents | 18 Apr 2026, 5:15 PM | Lat 22.427116° Long 87.861611°

Prize distribution ceremony — 1st place (Code Reflex) | 18 Apr 2026, 5:25 PM | Lat 22.427161° Long 87.861621°

Prize distribution ceremony — 2nd place (OMNICORN ROBOTICS) | 18 Apr 2026, 5:26 PM | Lat 22.427129° Long 87.861645°

Prize distribution ceremony — 3rd place (Xenon) | 18 Apr 2026, 5:32 PM | Lat 22.427146° Long 87.861638°

Group photograph with volunteers and TAC | 18 Apr 2026, 5:36 PM | Lat 22.427172° Long 87.861610°

Prof. Soumitra De
Convener, Technical Activities
Department of Computer Science and Engineering
College of Engineering and Management, Kolaghat