REPORT ON HACKATHON – VERSION 3.0

COLLEGE OF ENGINEERING AND MANAGEMENT, KOLAGHAT

**Organized by Department of Computer Science and Engineering
(NBA Accredited)**

About us - College of Engineering & Management, Kolaghat (CEMK) is an engineering college situated within integrated campus of Govt. Thermal Power Plant and it is a good governance under MIC, Power, Govt. of West Bengal as Chairman of the College.

This college is approved by All India Council for Technical Education (AICTE), Affiliated to Maulana Abul Kalam Azad University of Technology, West Bengal formerly known as WBUT. Our college established in September 1998, and it is an institute under the aegis of Vidyasagar Society for Integrated Learning (VSIL). An educational institute with proven track record of excellence CEMK is spread over 32 acres of land provided by the WBPDCL.

Synopsis - A hackathon is a collaborative event where people come together to solve problems, build projects, and share ideas. A hackathon is a timed event where teams of developers, software engineers, and business experts work together to create a prototype or finished product. The goal is to design, build, and present an innovative solution to a problem.

In our college we have organized one internal hackathon event from 3rd September to 18th September, 2024 through rigorous evaluation process and finally we have rewarded top three

teams with prize money. In our event 23 teams of total 138 participants presented their innovative ideas in a physical mode. Finally, we have uploaded their pdf ppt in Smart India hackathon portal for further processing. Throught the event we have maintained the proper documentation, rules and transparency that was given in the guidelines of Smart India Hackathon website.

Importance - Hackathons are important for a number of reasons, including:

Learning - Hackathons are a great opportunity to learn new skills quickly, such as coding languages, programming techniques, and industry tools. We can also develop time management skills.

Networking - Hackathons provide an opportunity to interact with other programmers and professionals from different companies and industries. This can help to learn about different skills and personalities in the industry, and may help you decide on a career path.

Teamwork - Hackathons are a great place to learn how to collaborate on real-world tasks. We can also develop friendships with other participants.

Mentorship - Hackathons often have mentors available to help with technical issues or career questions.

Innovation - Hackathons can help companies generate new products, services, and solutions. They can also help companies gain a competitive advantage.

Rapid prototyping - Hackathons can be a low-risk environment for companies to test out ideas and gather feedback from users.

Exposure - Hackathons can expose participants to different verticals and industries.

Critical thinking - Hackathons can help improve critical thinking and problem-solving skills.

Entrepreneurial spirit - Hackathons can help ignite the entrepreneurial spirit.

Details – The detail description are as follows –

Internal Hackathon Location	CSE Dept. CEMK
Proposal Presentation Date	10.09.2024
Total No of Teams Participated	23
Total No of Students Participated	138
Total No of Female Participants	50
Total No of Male Participants	88
Mode of Internal Hackathon	Offline
Student Team Formation Rules	All team members belong from the same college. Each team consist of 6 members and each team included at least one female member.

Nominated Top Teams Details –

1ˢᵗ Position - Rahul Kumar Seal, Shruti Kumari Mahata, Avik Das, Souvik Mahata, Arpan Samanta and Jitendranath Sahoo for their outstanding proposal titled "**Create a Virtual Herbal Garden that provides an Interactive, Educational and Immersive Experience to users, showcasing the diverse range of Medicinal Plants used in AYUSH**".

2ⁿᵈ Position - Srijam Sen, Suvalina Maiti, Mallika Santra, Swarnajit Bhattacharjee, Pratik Das and Nirmal Nayak for their outstanding proposal titled **"Designing a Sensor-based Alerts Driven Application for Monitoring Water Health Using Machine Learning"**.

Ankan Jana, Chandra Mandal, Avijit Samui, Pallabi Ghosh, Priyaranjan Jana and Ashis Kumar Jana for their outstanding proposal titled **"Learning Path Dashboard for Enhancing Skills"**.

3ʳᵈ Position - Indira Banerjee, Priti Senapati, Puspita Panja, Papi Pal, Most Yeasmina Khatun and Deepanjan Das for their outstanding proposal titled **"Sustainable Fertilizer Usage Optimizer for Higher Yield"**.

Nayan Adhikari, Ramen Mahata, Sayan Sasmal, Joyasree Kar, Susmita Adhikary and Subhamoy Maity for their outstanding proposal titled **"Student Innovation"**.

Judging Process – We have followed the following points.

Total Marks – 25 Marks

Points	Corresponding Marks
Strength of Idea	5
Challenges Identified	5
Suitability of Technology	5
Current Progress	4
Analysis of Feasibility	2
Analysis of Sustainability	2
Value Proposition Fit	2

Jury Panel Details – Our July panel members are as follows –

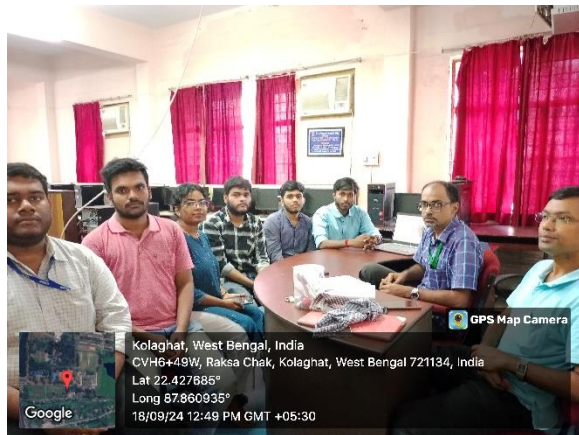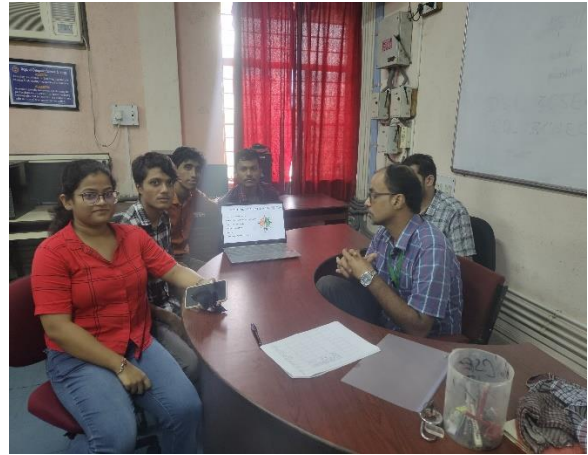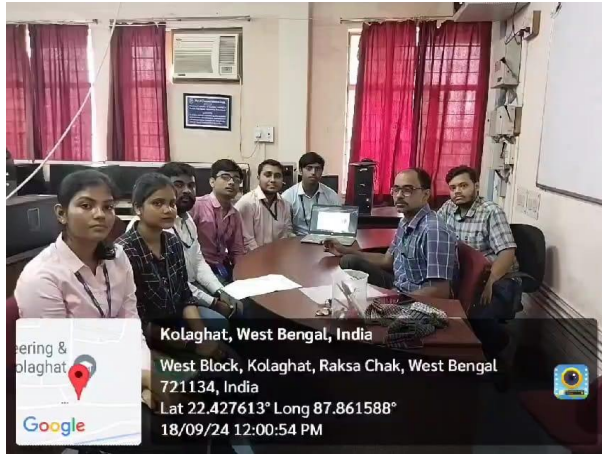| Jury Name	Organization	Designation	Email	Mobile No
Dr. Alok Ranjan Pal	CEMK	Assistant Professor	alokranjanpal@cemk.ac.in	7001862659
Mr. Siddhartha Chatterjee	CEMK	Assistant Professor	siddharthachatterjee@cemk.ac.in	8250477137
Dr. Jaydev Mishra	CEMK	Associate Professor	jsm03@cemk.ac.in	9800539991
Mrs. Lipika Datta	CEMK	Assistant Professor	lipika.datta@cemk.ac.in	9433340630
Dr. Chinmay Maiti	CEMK	Assistant Professor	chinmay@cemk.ac.in	9433428153

Organizing Members –

Hackathon SPOC – Mr. Siddhartha Chatterjee, CSE, CEMK

Supervisor – Dr. Alok Ranjan Pal – HOD CSE, CEMK

Patron – Prof. Dr. Dilip Kumar Gayen – Director, CEMK

Event Photos -

Kolaghat, West Bengal, India

West Block, Kolaghat, Raksa Chak, West Bengal
721134, India
Lat 22.427613° Long 87.861588°
18/09/24 12:00:54 PM

Conclusion & Acknowledgement - The goal of a hackathon is to create functioning software or hardware by the end of the event. Hackathons tend to have a specific focus, which can include the programming language used, the operating system, an application, an API, or the subject and the demographic group of programmers. From this event we have learned teamwork, communication and working to very tight deadlines. We want to gratitude our beloved Director, CEMK for giving all types of facilities and resources for organizing this event. Finally, the CSE Department appreciates the enthusiasm of all the participants and grand success for future endeavors.

THANK YOU