

SMART INDIA HACKATHON 2025

Team: AlgoRithm

Position: Finalists

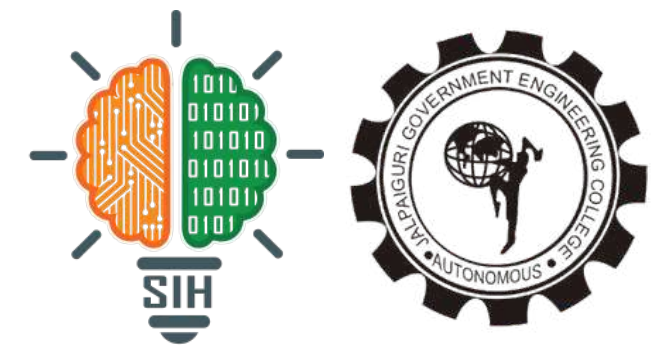
PS-ID: SIH25019

Representing Jalpaiguri
Government Engineering College
Host Institute: Baba Farid Group
of Institutions, Bathinda, Punjab



Team AlgoRithm

Our Institution-



Jalpaiguri Government Engineering College

We proudly represented Jalpaiguri Government Engineering College at the Smart India Hackathon 2025 Grand Finale. The institution's support and encouragement played a significant role in our journey.

About the Team-

Team Leader:

Arindam Ganguly

Information Technology, Batch of 2029

Team Members:

Pritish Samanta

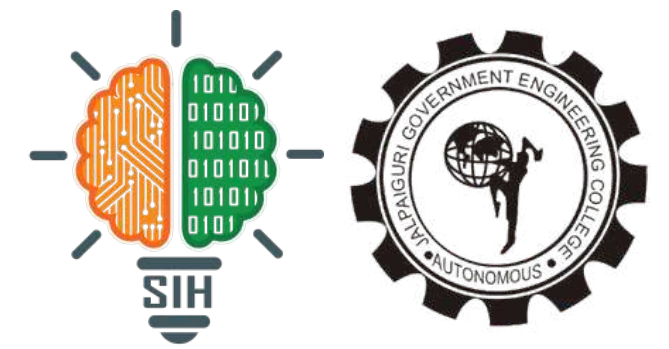
Information Technology, Batch of 2029

Nayan Majhi

Information Technology, Batch of 2029

Arnob Dey

Information Technology, Batch of 2029



Sneha Rakshit

Information Technology, Batch of 2029

Milan Samaddar

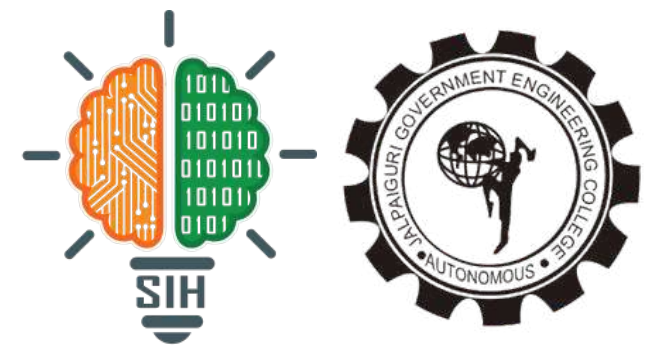
Electrical Engineering, Batch of 2029

About the Mentor-

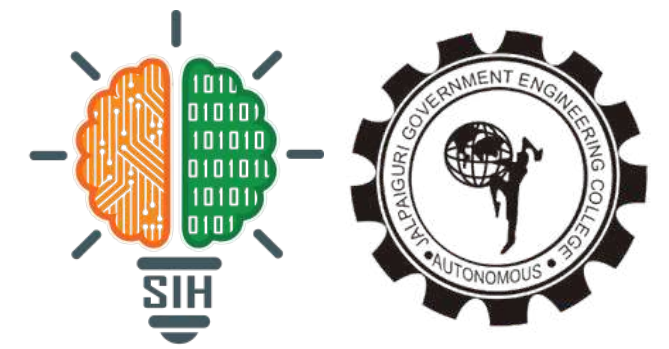
Aditya Kumar Samanta

Head of the Department
Information Technology

Jalpaiguri Government Engineering College



The Challenge-



PS-ID: 25019

Problem Statement Title:

Digital Learning Platform for Rural School Students in Nabha

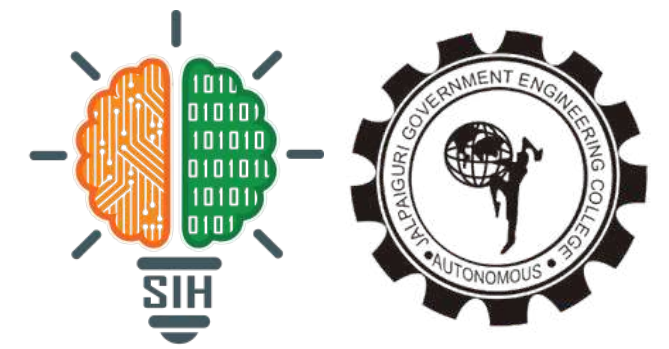
Organization: Government of Punjab

Category: Software

Description:

The lack of digital resources and skills limits students' academic growth and future employability. With the increasing importance of digital literacy, students in rural Nabha risk being left behind, perpetuating cycles of educational and economic disadvantage. Addressing this problem is urgent to ensure equitable access to quality education and to empower rural youth with skills for the modern world.

The Solution-



Main Problems:

- Poor Infrastructure and Lack of Support for promoting Literacy
- Lack of Data and Student records for progress tracking.
- Increased rural-urban learning disparities and dropouts.

Our Solution:

- Creation of offline Facial Recognition based Attendance and Student Record database.
- Automated and Hassle-Free camera-based attendance marking system.
- Database with records of students' academic performances and details. Ensuring analysis & tracking of progress.
- A portal for students where they can track their progress and make their weak points strong by giving tests.

- **Ultimate Selling Point (USP)**
- Offline based monitoring and record tracking system – everyone under assessment while no-one is left out

Our Experience-

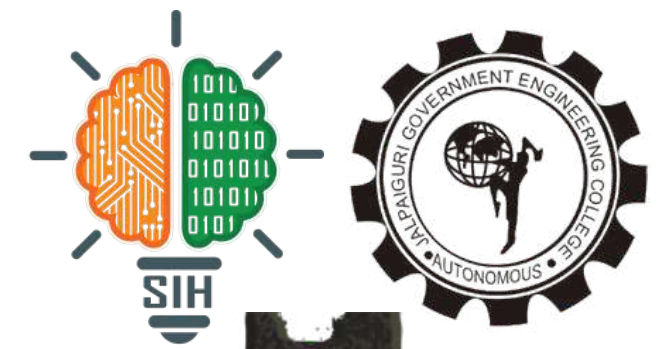
Participating in the Smart India Hackathon 2025 Grand Finale was an unforgettable experience. The event provided us with an opportunity to interact with talented innovators from across India, work under intense deadlines, and receive valuable feedback from industry experts and judges. The atmosphere of collaboration, innovation, and learning motivated us to push our project beyond our expectations.

Key Takeaways:

- 💡 Problem Solving
- 🤝 Teamwork
- 💡 Presentation Skills
- ⚡ Time Management
- 🧠 AI & Computer Vision Development
- 🌐 Networking with Innovators



Our Experience-



Journey



Us



Atmosphere



**MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)**

