

# TEAM FROZEN VOLTAGE

Presents

## Unfrozen School

### TEAM MEMBERS

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### Problem Addressed

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1. Lack of personalized learning tools
2. Limited access to interactive and engaging content
3. Fragmented educational resources
4. Outdated or inaccessible information on admissions and circulars
5. Difficulty in visualizing and understanding complex concepts
6. Limited support for inclusive learning

### Solution Overview

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An innovative and inclusive web-based platform designed to make science education more engaging, accessible, and interactive for students across Bangladesh. The platform leverages **AI-powered tools, visual content**, and inclusive technology to deliver core science concepts through simple explanations, **dynamic diagrams, story-based learning, quizzes, and virtual labs**. It supports both **Bangla and English**, bridging the educational gap between rural and urban learners and ensuring accessibility for differently-abled individuals.

# Technology Stack



React



Gemini Pro



NodeJS



Firebase Studio

## Key Features

- ✓ Simple explanation
- ✓ Stunning diagram/chart
- ✓ Terms related to initial searched term
- ✓ Visual question answering
- ✓ Quiz creation for self test
- ✓ Topic explanation by story
- ✓ Text to speech : For blind students to listen Explanation

AI-Powered

- ✓ Voice command
- ✓ 2 Language support : English , Bengali
- ✓ Research papers
- ✓ Academic books
- ✓ Academic playlists
- ✓ University circulars with notification system
- ✓ Lab manual for Practical sessions
- ✓ Sign language video tutorial

## Future scope

- Completion of the IoT assistive device and video demonstration.
- Expansion of the AI-powered myth-busting and visual Q&A modules.
- Addition of collaborative features for group learning and citizen science activities.