



**SMART INDIA  
HACKATHON  
2022**

# Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation:

**All India Council for Technical Education (AICTE)**

PS Code: DR703

Problem Statement Title: **Bulk email & SMS service**

Team Name:

Team Leader Name: Hemant Singh

Institute Code (AISHE): **[C-32842]**

Institute Name: **Dr. Akhilesh Das Gupta Institute of Technology & Management**

Theme Name: **Smart Education**

# Basic Details of Team & Problem Statement:

- **"Background:** Information sharing is a major factor for development in the country. It is a time taking process to share information to all the citizens of the country through media and newspaper.

In this modern generation almost everyone has a mobile phone in their hand. We can use this opportunity to share information directly to them through SMS or email. This will save time and money and information can be shared with a larger community within short time duration. Also such service can be used to repeatedly send SMS in case of emergency situations.

- **Summary:** A bulk SMS or email service which can convey information to larger audience in short interval of time is a requirement. It can include alerts, warnings and news that are of high importance can needs to be delivered to all the citizens of the country in a single go.
- **Objective:** We need a mobile/web app that will allow sending Bulk email & SMS (around 1 crore) user in one go through SMTP or other technology and it will be compatible for that all the users should get an notification also in their mobile through Artificial Intelligence.

In addition features like log generation, notification of failure of SMS and/or email delivery, scheduling of SMS/emails, scheduler alert/notification system, read & unread status, provision of importing contact details from excel worksheets, customizing emails with name of the receiver etc. should be included"

# Idea/Approach Details

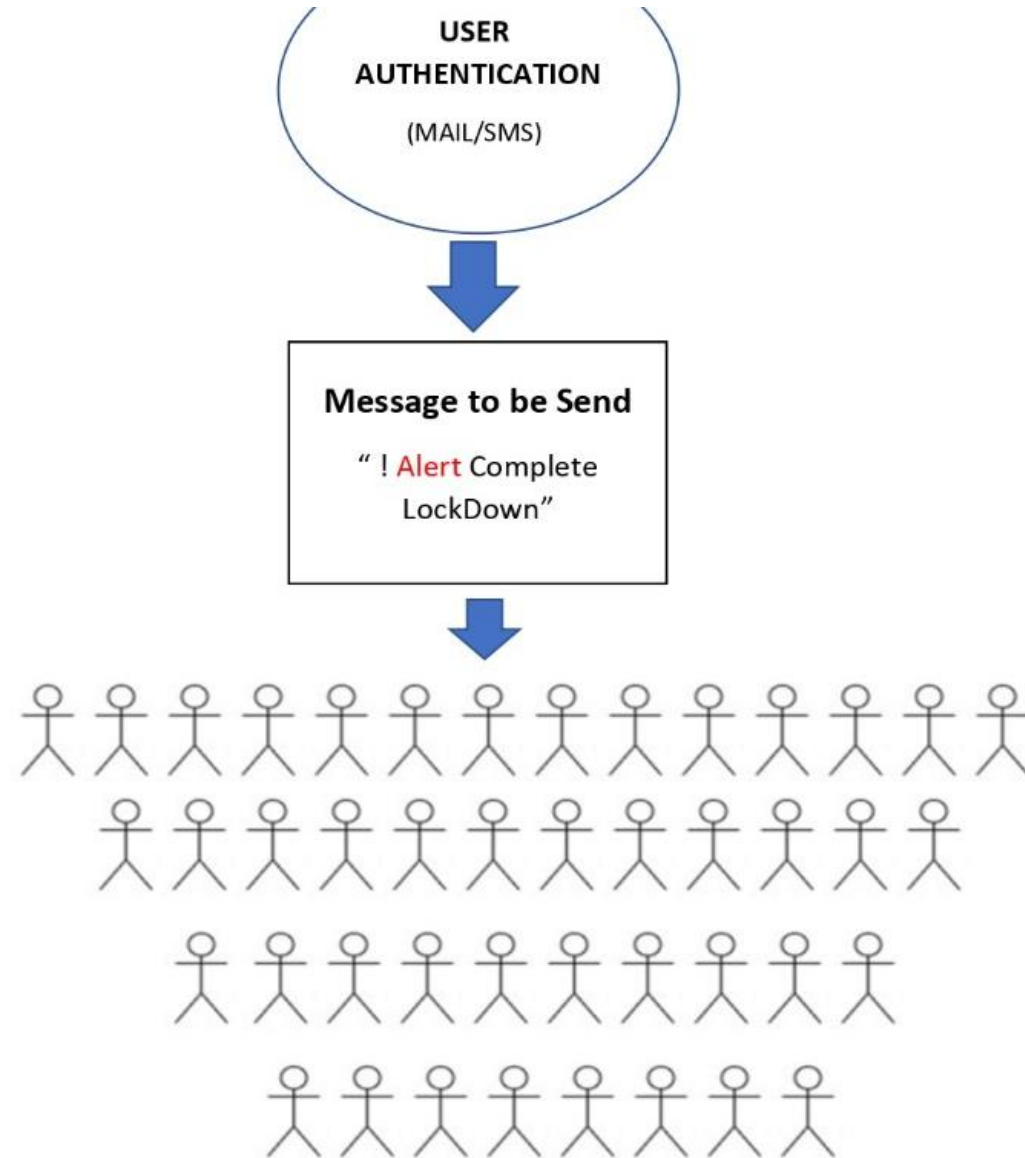
## Describe your idea/Solution/Prototype here:

- Since the Problem statement emphasizes on creating a solution for communicating and sharing Information to vast audience at a minimal duration of time via SMS/email.
- Our Software is fulfilling and covering the vast range of communication as well as satisfying all the additional features as well.
- It will be User-Friendly, Secured with other features having User-Authentication, Alert Notification, Email-scheduling, read/unread status and ability to import details from MS-Excel sheets.
- The Website will be using a Third-Party email sending website to send Info. over email with bunch of API calls. And it will show status of successful and unsuccessful with time.
- It will Provide option for user-authentication where a user logs in with his/her credentials and sends information.

## Describe your Technology stack here:

- **Server Backend:** NodeJS, Express
- **Database:** my-SQL
- **Information Sharing:** Third-Party Email sending APIs as SMTP Technology.
- **Website Frontend:** HTML, CSS, JavaScript

# Use-Case Diagram:



**Sending Bulk Email/SMS**

# Idea/Approach Details

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## Describe your Use Cases here

- **User:**
  - Ability to convey Information to vast audience over 1cr+ through email in a very short time.
  - Secure and Scalable as only selected users can Log In and send messages.
  - Can check Read and Unread Status as well as Delivered Status.
  - User-Friendly as Less Complexities are involved for User Interaction.
  - Huge Possibility as Business Potential.

## Describe your Dependencies / Show stopper here

- Internet Connection
- A Laptop or Smartphone

# Team Member Details

## Team Leader Name: Hemant Singh

Branch B. Tech                      Stream IT                      Year : III

## Team Member 1 Name: Rishabh Kumar

Branch B. Tech                      Stream IT                      Year : III

## Team Member 2 Name: Anshul Vats

Branch B. Tech                      Stream IT                      Year : III

## Team Member 3 Name: Akshat

Branch B. Tech                      Stream IT                      Year : III

## Team Member 4 Name: Gautam Bansal

Branch B. Tech                      Stream IT                      Year : III

## Team Member 5 Name: Type Your Name Here

Branch (Btech/Mtech/PhD etc):                      Stream (ECE, CSE etc):                      Year (I,II,III,IV):

## Team Mentor 1 Name: Type Your Name Here

Category (Academic/Industry):                      Expertise (AI/ML/Blockchain etc):                      Domain Experience (in years):

## Team Mentor 2 Name: Type Your Name Here

Category (Academic/Industry):                      Expertise (AI/ML/Blockchain etc):                      Domain Experience (in years):

# Important Pointers

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Please ensure below pointers are met while

- Kindly keep the maximum slides limit to 4 pages
- All the topics should be utilized for description of your idea
- Try to avoid paragraphs and post your idea in points
- Keep your explanation precisely and easy to understand
- Idea should be unique and novel. If it has a business potential more weightage will be given.
- Apart from this PPT abstract of your idea will be asked separately while submitting
- You need to save the file in PDF and upload the same on portal. No PPT, Word Doc or any other format will be supported
- You can delete this slide (Important Pointers) when you upload the details of your idea on SIH portal.