



# Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation: Ministry of Power

PS Code: SIH1380

Problem Statement Title: Intelligent chatbot to answer queries pertaining to various Maintenance Processes within Substation

Team Name: CurioSapiens

Team Leader Name: Arya Kanase

Institute Code (AISHE): C-33550

Institute Name: Shah & Anchor Kutchhi Engineering College

Theme Name: Smart Education

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# Idea/Approach Details

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## Use Cases:

- **Maintenance Procedures:** Maintainers/Users can inquire about specific maintenance procedures for equipment classes like transformers, circuit breakers, etc.
- **Acceptable Limits:** Users can ask for acceptable limits for various maintenance tests and checks.
- **Issue Resolution:** The chatbot can assist in troubleshooting and resolving issues that arise during maintenance activities.
- **Safety Guidelines:** Provide safety guidelines and best practices for substation maintenance.
- **Compliance:** Ensure that maintenance activities align with industrial standards and safety regulations.

## Dependencies / Show stopper:

- **Maintenance and Updates:** Regularly update the knowledge base and language models to keep the chatbot's information up-to-date with industry standards and best practices.
- The success of the chatbot depends on the availability and quality of documents related to substation maintenance. But we will make sure that a sufficient amount of relevant data is accessible.

# Team Member Details

## Team Leader Name: Arya Kanase

Branch (Btech/Mtech/PhD etc): BE

Stream (ECE, CSE etc): AIDS

Year (I,II,III,IV): IV

## Team Member 1 Name: Rohit Wahwal

Branch (Btech/Mtech/PhD etc): BE

Stream (ECE, CSE etc): AIDS

Year (I,II,III,IV): IV

## Team Member 2 Name: Manish Patil

Branch (Btech/Mtech/PhD etc): BE

Stream (ECE, CSE etc): AIDS

Year (I,II,III,IV): IV

## Team Member 3 Name: Vipul Jain

Branch (Btech/Mtech/PhD etc): BE

Stream (ECE, CSE etc): IT

Year (I,II,III,IV): IV

## Team Member 4 Name: Prasad Vichare

Branch (Btech/Mtech/PhD etc): BE

Stream (ECE, CSE etc): AIDS

Year (I,II,III,IV): III

## Team Member 5 Name: Shreya Patil

Branch (Btech/Mtech/PhD etc): BE

Stream (ECE, CSE etc): IT

Year (I,II,III,IV): II

## Team Mentor 1 Name: Amol Yadav

Category (Academic/Industry): Academic

Expertise (AI/ML/Blockchain etc): AI/ML

Domain Experience (in years): 9