

# PROJECT TITLE: FAKE NEWS SLAYER- BUILDING AN AI- POWERED FACT CHECKER

## PREPARED FOR:

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## **Define project scope, objectives, and deliverables:**

The objective of the "Fake News Slayer" project is to develop a system that can effectively detect fake news articles. The scope of the project includes:

- Building a machine learning model capable of classifying news articles as fake or real.
- Providing an interface for users to input news articles and receive classification results.
- Ensuring the system's accuracy and reliability through rigorous testing and validation.

## **Conduct preliminary research to gather necessary information and resources:**

This involves gathering relevant research papers, datasets, and resources related to fake news detection. It also includes understanding the current state-of-the-art techniques and approaches in the field.

## **Develop a comprehensive project plan including timelines and milestones:**

- Define project scope document outlining the goals and objectives.
- Conduct thorough research on the topic including literature review and data collection.
- Develop a project plan specifying tasks, timelines, and responsibilities.

### **Tasks to be Completed:**

1. **Define the project scope document outlining the goals and objectives:**
  - Define the purpose and scope of the project.
  - Specify the target audience and stakeholders.
  - Outline the expected deliverables and outcomes.
  - Identify any constraints or limitations.
2. **Conduct thorough research on the topic including literature review and data collection:**
  - Gather research papers, articles, and resources related to fake news detection.
  - Review existing datasets for training and testing the model.
  - Understand different methodologies and approaches used in fake news detection.
3. **Develop a project plan specifying tasks, timelines, and responsibilities:**
  - Break down the project into smaller tasks and sub-tasks.
  - Estimate the time required for each task.
  - Assign responsibilities to team members if applicable.
  - Set milestones to track progress and ensure timely completion of the project.

### **Submission Headers – Eduvate Portal:**

#### **Abstract of the Project:**

The "Fake News Slayer" project aims to develop a machine learning-based system for detecting fake news articles. Through extensive research and data analysis, the system will be trained on labeled datasets to accurately classify news articles as either fake or real. The project plan includes defining clear objectives, conducting thorough research, and developing a comprehensive project plan with timelines and milestones.

#### **System Requirements:**

- Minimum System Requirements:
  - Operating System: Any modern operating system (e.g., Windows, macOS, Linux)
  - Processor: Intel Core i3 or equivalent
  - RAM: 4GB
  - Storage: 100MB free disk space
  - Internet connection for data collection and updates

#### **Tools and Versions:**

- Python (version 3.7 or higher)
- scikit-learn (version 0.24 or higher)
- pandas (version 1.2 or higher)
- NumPy (version 1.20 or higher)

- Jupyter Notebook or any Python IDE for development
- Git for version control (optional)
- Web framework (e.g., Flask, Django) for building the user interface (if applicable)

# THANK YOU