Dr. Vishwanath Karad
MIT WORLD PEACE UNIVERSITY | PUNE
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

School of Electrical Engineering

Minor Project – I Proposal

Class: TYBTech (Electrical and Computer Engineering) - Semester V
Academic Year: 2023 – 2024

1. Details of Group:

Sr. No.	Name of Student	Roll No.	Email Address	Mobile No.
1	Shreerang Mhatre	52	shreerangmhatre@gmail.com	9594182016
2	Sarvesh Gurav	44	sarvesh.gurav.1222@gmail.com	8766583997

2. Proposed Title: Mr. Volted (Electrical GPT Chatbot)

3. Journal / Conference papers related to work:

"Improving Language Understanding by Generative Pretraining" by Alec Radford, et al. (OpenAI) - Presented GPT-1.

Link: https://cdn.openai.com/better-language-models/language_models_are_unsupervised_multitask_learners.pdf

"Language Models are Unsupervised Multitask Learners" by Tom B. Brown, et al. (OpenAI) - Presented GPT-2.

Link: https://cdn.openai.com/better-language-models/language_models_are_unsupervised_multitask_learners.pdf

"Language Models are Few-Shot Learners" by Tom B. Brown, et al. (OpenAI) - Presented GPT-3.

Link: https://cdn.openai.com/better-language-models/language_models_are_few_shot_learners.pdf

4. Project Details and Objectives (3 to 5 lines):

"Mr. Volted" is an innovative project leveraging AI and natural language processing to create an intelligent chatbot focused on delivering accurate electrical information and solutions. With a strong emphasis on user experience, it aims to provide a reliable resource for individuals seeking insights in electrical engineering. Key objectives include building a comprehensive knowledge base, fine-tuning a GPT-based model for diverse queries, designing an intuitive user interface, ensuring precise query understanding, and enabling effective information retrieval. By achieving these goals, the project aspires to empower users and foster accurate knowledge dissemination within the electrical engineering domain.

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5. Methodology (3 to 5 lines):

The "Mr. Volted" project involves customizing a GPT-based language model for accurate electrical information delivery. We'll compile a knowledge base, develop a user-friendly interface, and integrate natural language processing to understand queries. Solutions for electrical problems will be generated, and continuous learning from user interactions will improve responses. The chatbot will be deployed on various platforms, undergoing rigorous testing and user feedback integration to ensure reliable performance.

6. Resources Required:

- Web frameworks
- GPT based learning
- Data Collection
- Data Processing
- User Interface

7. Signature of Student/s with Date

For Official Use Only

Recommended/Not Recommended:

Remarks:

Name Internal Guide:

Signature:

Head
School of Electrical Engineering

Minor Project Co-Ordinator