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SECJ3553 - ARTIFICIAL INTELLIGENCE - SECTION 15

**PROJECT PROPOSAL - GROUP 4**

**PROJECT TITLE:**

**AI Chatbot for Spoken English Practice**

**Theme: Smart Education**

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1. **AI solution**

The AI Chatbot for Spoken English Practice is an advanced educational tool designed specifically for students aiming to enhance their English speaking skills. It is designed to simulate real-life conversations, providing a platform for students to practice spoken English in a comfortable and interactive environment. Equipped with scoring mechanisms, the chatbot can track students' progress over time, generating comprehensive reports that highlight individual strengths and areas needing improvement. Besides that, students’ English teachers may also see the results and report and they can give feedback to their students. By offering personalized feedback and targeted language exercises, this AI solution empowers students to develop fluency, pronunciation, and confidence in spoken English, ultimately fostering a more effective and engaging learning experience.

1. **Aishah**
2. **Target User**

The target users for the AI Chatbot for Spoken English Practice are students of all ages who seek to improve their English speaking skills. This includes individuals at various proficiency levels, from beginners looking to build a foundation in spoken English to advanced learners aiming to refine their fluency and pronunciation. The chatbot is also beneficial for English language learners who wish to practise and enhance their conversational skills in a convenient and interactive manner.

1. **Problem Statement**

The problem this project addresses is the need for an effective and accessible platform to help students improve their spoken English skills. Many English learners struggle to find opportunities for regular and meaningful practice, which can hinder their progress and confidence in using the language in real-life situations. Traditional language learning methods often lack the interactivity and feedback necessary for targeted improvement.

The AI Chatbot for Spoken English Practice aims to solve this problem by offering a solution that:

1. Simulates Real-life Conversations: Provides an environment where students can engage in realistic dialogues, allowing them to practice spoken English in a comfortable setting.
2. Monitors Progress and Provides Feedback: Offers scoring mechanisms and generates comprehensive reports, enabling students to track their advancement, identify strengths, and pinpoint areas that require improvement. English teachers can also use these reports to provide personalized feedback to their students.
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