

Adaptive Learning and Productivity Platform

This project aims to develop an **Adaptive Learning and Productivity Platform** designed to enhance student productivity and learning efficiency. The platform offers an integrated **To-Do List** for effective task management and a **Streak Calculator** to track daily activity completion, fostering consistent study habits. It also features an innovative **Quiz Generator** that converts user-read notes into structured points using voice-to-text technology and creates small quizzes, ensuring better topic retention. Additionally, the platform provides **Analytics and Graphs** to monitor study time, task completion, and streak progress, offering personalized insights for improved productivity.

The platform is developed using **Python** and utilizes libraries such as **NLTK** for text processing, **SpeechRecognition** for voice-to-text conversion, and **Matplotlib** for data visualization. It provides a user-friendly interface using **Tkinter** for seamless interaction. By leveraging these tools, the platform supports students in managing time effectively and achieving academic success, aligning with the **Quality Education** sustainable development goal.

Team Members

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