

# **ABSTRACT**

This project aims to address the challenges faced by students in traditional lectures, such as struggling to keep up with the lecturer's pace and losing track of concepts due to lack of imagination and distractions. The existing Visual generation softwares like DreamCloud, Dall-e, and Deep-AI can only convert text into visuals, lacking the ability to recognize and convert live voice. To overcome this limitation, we are developing an assistant that recognizes the lecturer's voice, understands the lecture content, and generates visuals in real-time. The scope of this project includes using NLP, and graphical tools like Canvas. Through user testing and analysis of student engagement and learning outcomes, we will evaluate the effectiveness of the system. The goal is to significantly improve student engagement and learning outcomes compared to traditional lectures, potentially revolutionizing the delivery and reception of lectures in ICT based education. This project will provide valuable insights into the use of NLP and Graphical tools, paving the way for new and innovative teaching methods.