

**Project Title: Interactive artificial intelligence assisted chatbot for self-improving oral English proficiency**  
研究項目: 協助學生自我提高英語水平的互動智能聊天機器人 - 互動模式、自學更出色  
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### Abstract

There are different learning approaches for students to improve their English proficiency, such as providing online English materials and consultation for students at the University. However, most of the approaches are lacking systematic approaches to monitor and assess training and improving the path of students. Teachers may only rely on assignments and examination results to evaluate student performance in a particular subject. In such situations, it is difficult for teachers to identify problems of an individual student in speaking English and hence provide suggestions for students to prevent making repetitive mistakes. In such a situation, students may still use “Engrish” to learn other subject domain knowledge and result in poor subject performance. Based on the above problems, this project aims to develop an interactive artificial intelligence assisted chatbox in terms of mobile App for our students to learn and self-improve English proficiency effectively. Through assessment reports generated from the mobile App, teachers can effectively monitor students’ training and improving progress in learning English.

