KICT TEACHING AND LEARNING EXHIBITION 2025

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INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA
Garden of Knowledge and Virtue

IIUM · INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

KULLIYYAH OF INFORMATION & COMMUNICATION TECHNOLOGY

KICT TALE 2025

TAWHIDIC PARADIGM IN TEACHING & LEARNING: REINTEGRATING FAITH AND KNOWLEDGE

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AN OBSERVATION OF CHATGPT'S USE IN LEARNING OBJECT-ORIENTED PROGRAMMING (OOP)

INTRODUCTION

This project explores the evolving context of learning, focusing on how undergraduate students are using ChatGPT to study OOP. As technology reshapes every industry, it is crucial to understand how AI tools like ChatGPT are influencing the classroom. We explored how students are integrating this tool into their workflow—from debugging complex code to understanding abstract concepts—and what this means for the future of computer science education. Our findings aim to spark awareness about the teaching and learning (TNL) opportunities and challenges presented by this new learning paradigm.

DEMOGRAPHICS

A total of 110 students participated in the survey, comprising 61% male and 39% female respondents. The majority of responders were from the Centre of Foundation Studies (CFS) at IIUM, followed by Diploma holders (17%), Others (14%), and STPM (1%).

EXPERIENCES

The majority have 1–2 years or less of programming experience and have used ChatGPT for less than 2 years.

CHATGPT USAGE

Fig-1: ChatGPT Usage

The chart shows that students primarily used the tool for explaining OOP concepts (22%), debugging code (21%), and studying for exams (19%). Smaller proportions used it for solving assignments (12%), generating code snippets (12%), and other purposes (14%)
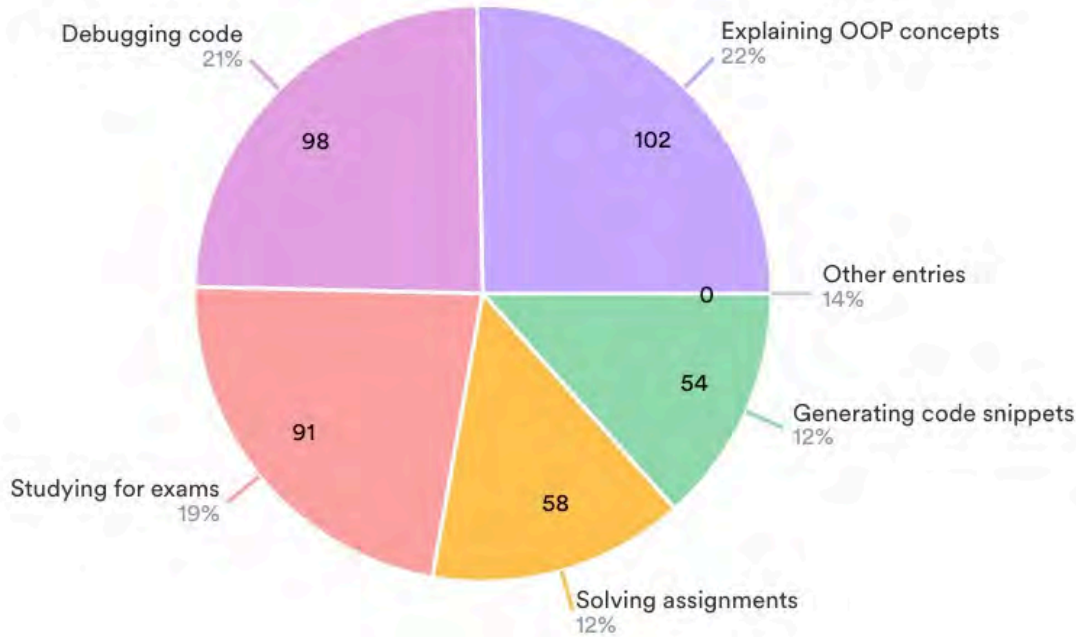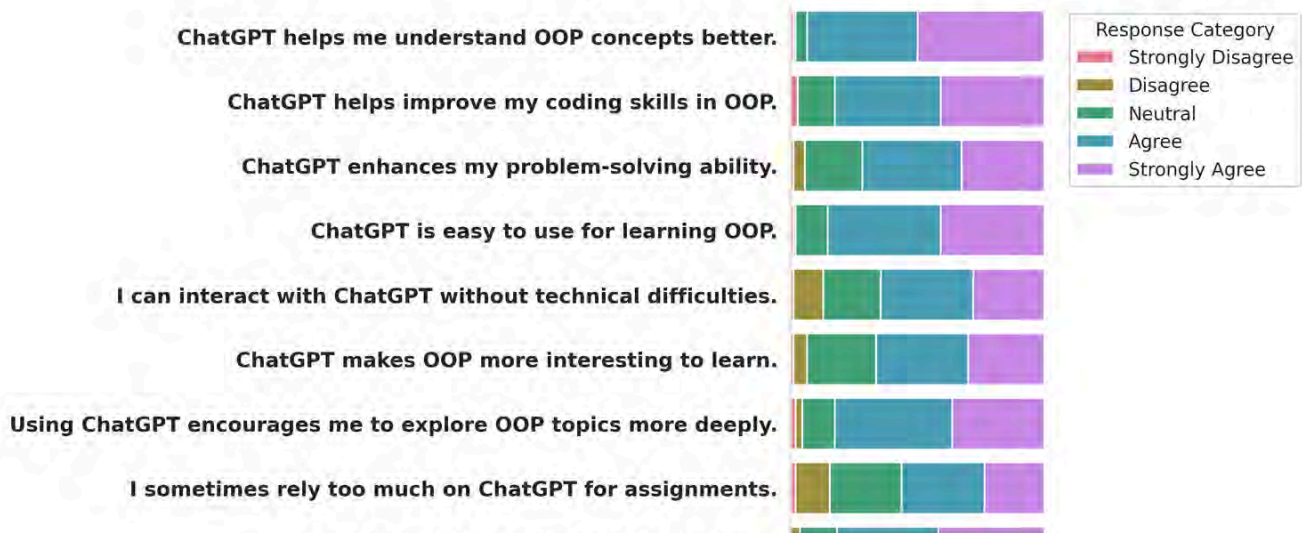
CHATGPT PERCEPTIONS

Fig-2: Survey responses

Perceptions of ChatGPT are overwhelmingly positive (majority "Agree" or "Strongly Agree" that it boosts understanding, skills, problem-solving). There is moderate acknowledgment of over-reliance and potential for plagiarism, but perceived net benefit is high.