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THE IMPACTS OF CHATGPT TOWARDS ACADEMIC PERFORMANCE OF UITM KAMPUS SAMARAHAN 2 STUDENTS

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Contents

CHAPTER ONE

INTRODUCTION

1.1 Chapter Review

This chapter focuses on the background of study which is on the impact of Artificial Intelligence (AI) specifically, ChatGPT towards the academic performance of students. The scope of study is focusing on the impact of ChatGPT towards the academic performance among students in UITM Kota Samarahan Campus 2. The total population of students in UITM Kota Samarahan Campus 2 is 3140 students. This chapter review proposal aims to analyze and evaluate the impacts of ChatGPT towards academic performance among university students in Sarawak, specifically, UiTM students in Campus Samarahan 2. Section 1.1 discusses the Chapter Review, Section 1.2 the background of study, Section 1.3 explains problem statements, Section 1.4 is the Scope Studies and Section 1.5 states the Significance of the Study, Section 1.6 is on the Objectives of the Study. Section 1.7 explains about the research questions, Section 1.8 and finally Section 1.10 is on chapter summary.

2.2 Introduction to The Overview of ChatGPT

OpenAI is a renowned research laboratory that has made significant contributions to the field of artificial intelligence. One of its notable achievements is the development of GPT-3, an advanced language model. OpenAI has also introduced ChatGPT, an AI chatbot that utilizes natural language processing to generate responses to user queries. These innovations have attracted considerable attention and have the potential to revolutionize various language-related tasks. Established in 2015, OpenAI focuses on creating AI products for the benefit of society (OpenAI, 2022). Notable supporters of OpenAI include Elon Musk, who played a key role as a founding donor, and Microsoft Corporation, which invested a billion U.S. dollars to gain exclusive access to certain OpenAI products (Brockman et al., 2016). This support has facilitated rapid progress in OpenAI's AI technologies. The organization has released several machine learning products to the general public, with DALL-E and ChatGPT being particularly well-known examples (Devlin et al., 2018). GPT, which stands for Generative Pre-Trained Transformer, is a language model that comprehends human inputs and generates response text that closely resembles natural human language (Dale, 2021).

CHAPTER 3

RESEARCH METHODOLOGY

3.1 Introduction

This chapter outlines the methodology adopted in this study, focusing on the systematic approach used to gather, analyze, and interpret data. The methodology is the backbone of any research, providing a structured path to achieve the research objectives. In this study, the methodology is meticulously designed to explore the impact of ChatGPT's use in education, specifically on the academic performance of students at UiTM Kampus Samarahan 2, Sarawak.

The research methodology encompasses various crucial elements, including research design, unit of analysis, sampling techniques, and data collection methods. Each of these components is carefully selected and aligned with the study's goals to ensure the validity and reliability of the findings. The methodology also addresses the challenges and limitations inherent in conducting research in an educational setting, providing strategies to mitigate these issues.

By detailing the research process, this chapter aims to offer transparency and clarity on how the data was collected, analyzed, and interpreted. This approach not only enhances the credibility of the study but also provides a replicable model for future research in similar domains.