CHAPTER 3 ASSESSMENT TASK (ATS)

Give at least three (3) latest studies related to your topic, identify the areas of controversy or challenge and explain how your proposed thesis/capstone project will respond to the challenge.

The study "Development and Evaluation of a Student Organizations Management System with Descriptive Analytics" by Callejo Arruejo (2024, March) presents a system that integrates descriptive analytics into the management of student organization operations. The research outlines how real-time dashboards and key performance indicators (KPIs) enable faculty to monitor and validate every administrative move, ensuring that each step is documented and accredited properly. This study is particularly relevant because it demonstrates a practical approach to leveraging technology for enhanced operational transparency and efficiency in higher education institutions.

The study "Research on Accurate Management of College Student Organizations Based on ICT Technology" (2024) investigates how Information and Communication Technology (ICT) can be employed to collect and manage critical data regarding student participation and organizational processes. By establishing an objective record of student activities and providing real-time oversight by faculty, the research illustrates the potential of ICT-based systems to standardize operational procedures and ensure accountability. Its relevance lies in the demonstration that technology can serve as a reliable tool for both managing student organizations and validating the accreditation process effectively.

The research titled "Quantifying the Effectiveness of Student Organization Activities using Natural Language Processing" by Taruc and De La Cruz (2024, August) utilizes advanced natural language processing techniques to assess the impact of student-led initiatives. By analyzing sentiment data and generating an "Event Score," this study provides a quantitative measure of the success of various student activities, offering a data-driven basis for faculty to validate and accredit these events. Its relevance is underscored by the innovative use of machine learning to enhance decision-making in student management, ensuring that accreditation processes are both objective and robust.

In conclusion, while each study highlights the transformative potential of integrating technology into student organization management—whether through descriptive analytics, ICT, or natural language processing—they also underscore significant challenges that must be addressed. Key

concerns include ensuring robust data privacy and security, fostering comprehensive user adoption through targeted training programs, and overcoming the technical hurdles associated with integrating new systems into existing institutional infrastructures. Addressing these challenges is critical to realizing the full benefits of advanced management systems and achieving efficient, transparent, and accountable operations in student organizations.

References:

- *Callejo Arruejo, A. (2024, March). Development and evaluation of a student organizations management system with descriptive analytics. Retrieved from https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4736729*
- *Research on Accurate Management of College Student Organizations Based on ICT Technology. (2024). Retrieved from https://dl.acm.org/doi/10.1145/3644523.3644683*
- *Taruc, L. E. F., & De La Cruz, A. R. (2024, August). Quantifying the effectiveness of student organization activities using natural language processing. Retrieved from https://arxiv.org/abs/2408.08694*