COVID-19 INTEGRATED DATA GOVERNANCE UiTM 1.0: CoiNDAG UiTM 1.0

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ABSTRACT

This innovative design demonstrates the importance of data and information for decision-making by creating databases integrated with the application engine to improve accessibility to the essential data and information related explicitly to Covid-19 and enhance value-added operation activity during pandemics. Moreover, based on a survey related to the effectiveness of CoiNDAG UiTM 1.0, 68.7% of respondents were strongly satisfied and 31.3% were satisfied with CoiNDAG UiTM 1.0.

Keywords: CoiNDAG UiTM 1.0, Database Integration, Application Engine

1. INTRODUCTION

Infodemic can be defined as too much information, including false or misleading information in the digital and physical environment during a disease outbreak (World Health Organization, 2020). These events had caused major impacts and harms, such as mistrusting health authorities, undermining the public health response. While, technology can be defined as information and multimedia systems such as computers, the internet, networks, and social sites created to facilitate work and increase work productivity in an organization (Sulaiman et al., 2017), but technology can also be defined as information and multimedia systems such as computers, internet, networks and social sites that have been created to facilitate work and can increase work productivity in an organization (Sulaiman el al., 2017). This innovative idea via CoiNDAG UiTM 1.0, an application designed to provide quick access via smartphone to obtain vast and accurate Vice Chancellor's Circular related to Covid-19.

2. MATERIALS AND METHODOLOGY

Essentially, CoiNDAG UiTM 1.0, utilizes the basic integration processes and is not involved in the software development and programming coding. The data generated through Google Sheets became the main structure. Google Sheet database administrators are the vital figure to update the data in the Google Sheet, and this will directly be updated on the app engine on a real-time basis. Importantly, CoiNDAG UiTM 1.0 may be a mechanism to assist management in operational activity. To ensure that CoiNDAG UiTM 1.0 is reliable, one (1) Pilot Project has been conducted among 26 offices in the Office of Deputy Vice-Chancellor (Research and Innovation), UiTM. This effort is to evaluate the innovation projects' desirability, technically monitor specific & predicted results, and employ existing norms to predict the rate of success or failure of an innovation project as depicted in Figure 1.

Figure 1. CoiNDAG UiTM 1.0 Integration Process

3. RESULTS AND DISCUSSION

The pilot project was conducted among 26 offices in the Office of Deputy Vice-Chancellor (Research and Innovation), UiTM. Furthermore, in terms of evaluating the desirability of the innovation projects, 61.53% or 16 of users were able to install CoiNDAG UiTM 1.0, and it was running smoothly on the smartphone as an app application, whereas 38.47% of which 10 respondents did not respond to the pilot project and questionnaire. A positive, non-direct contact survey via questionnaires was distributed through Google form. It involved 16 respondents, who are Head/Person in Charge of Administration and Human Resource Department/Unit from all departments under Office of Deputy Vice-Chancellor (Research and Innovation), UiTM. The survey was designed to provide empirical findings on the CoiNDAG UiTM 1.0. Consequently, 16 respondents or 100% agreed CoiNDAG UiTM 1.0 is the more effective method of searching and obtaining the Vice Chancellor'sChancellor's circular related to Covid-19. As well as, 16 respondents or 100% agreed CoiNDAG UiTM 1.0 is the method of searching and obtaining the Vice Chancellor'sChancellor's circular related to Covid-19 is quicker. In the final analysis, five (5) respondents, or 31.3%, were satisfied and 11 respondents, or 68.7%, strongly satisfied with CoiNDAG UiTM 1.0 as a medium for searching and obtaining Vice Chancellor's Chancellor's circular related to Covid-19.

4. CONTRIBUTION AND USEFULNESS/COMMERCIALISATION

Since this innovative project went through a pilot test, the novelty of this innovative project/product has been proven as illustrated in Figure 2.

Figure 2. CoiNDAG UiTM 1.0 Novelty

5. CONCLUSION

In conclusion, CoiNDAG UiTM 1.0 was innovated to maximize the use of smartphone applications, and it potentially creates value-added to work and support good productivity to 17,696 UiTM Staff at 35 campuses all over Malaysia. Indeed, CoiNDAG UiTM 1.0 could help for good time management, as this is crucial to produce excellent work performance during pandemic Covid-19. It is envisioned that CoiNDAG UiTM 1.0 integrated databases with application engines via smartphones now work like mini-computers with different abilities to create productivity at their fingertips as stated in Figure 2.

ACKNOWLEDGEMENT

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