Comp2220 – Computer System Architecture

Semester Group Project -Using Microsoft Azure, Power Bi and Dialog Flow.

<u>**Assignment Summary**</u> This is a group project, where 3 students work in a group. They will describe how cloud base solutions such as: databases, visualizations and Chatbots are being used in a disruptive way in disaster management. Both groups will focus on floods, but one group from the perspective of flood responders and the other from the victim's point of view. Each group chooses at least 1 research publication, to be review and summarized. At least one of the research publications must contain data, which is to be used as part of the analysis. Additional publicly available data and databases for Antigua and Barbuda is to be incorporated. Policy documents and other guidelines from Antigua on disasters like floods can form the basis for the chatbot and must be referenced. The submission of the final report is to include 1 pdf file, with all the necessary links to review the Azure Database, PowerBi Dashboard and the Chatbot.

<u>**Assignment Learning Outcomes**</u> Student will apply their skills to create an efficient and effective practical solution using the 3 main platforms- Microsoft Cloud base solution: Azure, Power Bi visualization for decision making and Google Dialog Flow Natural language understanding cloud base platform. Thereby creating a working solution using suitable software for a specific area of need. They are also encouraged to use their creativity and innovation in understanding the problems faced in these areas and the way technology is being used in Antigua and the rest of the world in these areas of need.

<u>**Assignment Description**</u> The pdf document is to contain no more than 8 pages and no less than 3 pages excluding an optional coversheet. This is to include all text, tables, images and charts. This document will describe the problem and your solutions. The Chicago document style is to be used and the document must include the following sections:

Title A creative title

Abstract is a concise summary of the purpose or aim of your study. It is also to summarize your findings and conclusion.

Introduction Groups can choose to include any number of points, not limited to the following: Introduce the topic, Establish the significance of the study, provide an overview of the relevant literature, establish a context for the study, illustrate how the study will advance knowledge on the topic

Method How you have cleaned or combine the public data and documents used. The format and metadata of the database you developed. The report design and the rules used to design the chatbot.

Conclusion Groups can choose to include any number of points, not limited to the following:
the main agreements and disagreements you encountered, any gaps or areas for further investigation, the overall perspective on the topic.

References generated by Word using the Chicago reference style and Links to the associated solutions you created.

MGMT2005 GROUP Project 2022