MALAWI UNIVERSITY OF SCIENCE AND TECHNOLOGY

MALAWI INSTITUTE OF TECHNOLOGY

RESEARCH METHODS IN COMPUTING

FROM: DANNIE MANKHWAZI

REG NUMBER: BIT/024/24

TO: Dr. B. KANZUZI

ASSIGNMENT TITLE: INDIVIDUAL CONTRIBUTION TO PROJECT PROPOSAL

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Research Aim, Objectives and Research Questions

2.2 Aim

The main aim of this research work is to develop a mobile application that enables livestock farmers to efficiently track the health and well-being of their animals by monitoring feeding schedules, vaccinations alerts, nutrition recommendations, and early detection of potential health issues.

2.2 Objectives

This research work has the following objectives:

a. To analyze the challenges that livestock farmers encounter when manually keeping animal health records.

b. To design and develop a mobile application that enhances a real-time monitoring and management of livestock health.

c. To utilize advanced data analytics for processing and interpreting livestock health data, enabling precise health assessments and predictive analytics for proactive livestock management.

2.3 Research Questions

The research questions include:

a. What are the challenges faced by livestock farmers in manually recording and managing animal health data?

b. How can advanced data analytics can improve the accuracy of livestock health assessments and enables predictive analytics for proactive health management?

c. How can a mobile application be designed to provide real-time monitoring and effective management of livestock health?