

MAKERERE UNIVERSITY BUSINESS SCHOOL

BACHELORS OF BUSINESS COMPUTING

Academic year 2024/2025

System Analysis and Design (SAAD)

Assignment One

INSTRUCTIONS:

- The assignment must be done in the **groups of 10(students)** and academic details should be clearly indicated for each member.
- Issue date: **17th Feb 2025.**
- Submission date: **3rd March 2025**
- Submission via Mail that will be provided on that day.

Question One

Masha Foods Restaurant is one of the best Restaurants in Kampala, having Branches in Bugolobi and Kireka on Junction mall. The management has business needed that has to be implemented using a new system in limited time schedule in order to improve sales.

The proposed system has to go through four phases, Analysis, design, build and deployment. Analysis phase takes a team of 4 members and 4weekss, Design phase a team 6 members and 4weekss, build takes 3 members and 4weekss, and deployment takes 5 members and 4weekss.

Required:

Illustrate this system development phases using time-boxing model in four time-box (TB1, TB2, TB3, and TB4).

Using the illustration above,

- a. Time-Box:

- i. How many weeks are needed to complete the first time box and why?
- ii. How many weeks are needed to complete entire system and why?
- iii. How many human resources are needed to complete the first time box and why?
- iv. How many human resources are needed to complete entire system and why?
- b. Serial development (linear):
 - i. How many weeks are needed to complete the first time box and why?
 - ii. How many weeks are needed to complete entire system and why?
 - iii. How many human resources are needed to complete the first time box and why?
 - iv. How many human resources are needed to complete entire system and why?
- c. What is the cost of delivering a system in short time frame?

GOOD LUCK: END