INSTITUTE OF COMPUTER STUDIES

BSAIT and BSAIS Sample Outline for Capstone Projects
(Based on CMO-no.-25-s-2015)

Title Page

Executive Summary

Table of Contents

List of Figures, List of Tables, List of Notations

I. Introduction
- ➢ Context
  - o Current state of the Technology to be use in the project (you can cite previous study to support the feasibility of your study)
- ➢ Problem on the manual existing manual process or automated system.
  - o Discuss how the manual system works/flow of the manual or existing system.
- ➢ Discuss the flow of propose system/study base on the manual process or recommendation of the client.
- ➢ Importance of the propose study.

Objectives of the study

- - At least 5 objectives included the assessment base on ISO 25010 or ISO 9126

Scope and Limitation

- ➢ 5 W's
  - o What you are going to develop
  - o Why you need to develop that system/application
  - o Where do you intend to implement the system/study?
  - o When to implement the system/study
  - o Who are involve in the study or the population of the study.
- ➢ Features of the system
  - o State the feature of the system and how this feature works in your system. (1 feature equal to 1 paragraph)
  - o State only the main features of the system
- ➢ Limitation of the study and the system.
  - o Ex. The system will not work without network connection.
  - o Ex. The system will not work in IOS and windows platform.

II. Review of related Literature/System
- ➢ The content of the literature will be per topic.
- ➢ Thematic
- ➢ Synthesis

III. Technical Background

Ex. Arduino

- Explain what is Arduino
- Discuss how Arduino will work on the system

IV. Methodology, Results and Discussion

SDLC

Gantt Chart

Data Gathering Procedure and Techniques

Ex. Using questionnaire and simple random sampling

Statistical Method

Ex. Weighted Mean show the formula.

Research Design

Developmental/description

Context Diagram

Data Flow Diagram

Level 0

Level 1

Entity Relationship Diagram

Data Dictionary

Database Structure

Test Plan

Test Result

Network Plan (for network base system or online system)

Implementation Plan

Implementation Results

V. Recommendations

Recommendation of researcher base on the findings of the study.

VI. Appendices

Relevant Source Code

Evaluation Tool or Test Documents

Sample input/output/Reports

Users Guide

Process/Data/information Flow

Screen layouts

Test Results

Sample Generated Outputs

Pictures showcasing the data gathering,

investigation done (e.g. floor plan, layout, building, etc.)

Approved Letter

- **Adviser (Technical and Documents)**
- **Approved letter to conduct study (Beneficiary)**
- **Letter of Acceptance**

One-Page Curriculum Vitae per team member

VII. References