B.Sc. (Hons) in Information Technology & Management

IS1901 - Microcontroller based ICT Project

Proposal Guidelines

General Guidelines

1. Font: Times New Roman, Size 12 for content and 14 for chapter titles. Chapter titles should be bold.
2. Line spacing: 1.5
3. Page limit: Maximum of 10 pages (Excluding cover page, Table of contents, References)
4. Tables and Figures: All Tables and Figures must be named with captions and cited inside the text.
5. References and Citations: The list of references must be arranged in the alphabetical order of the name of the first author, and numbered in square brackets following IEEE referencing.

6. Deadline: Sunday 02/04/2024

7. **Submission:** Upload the pdf version of project report that is prepared as per the given instructions to the Moodle. Only one submission is required from one group. Name the report as **Group Name _Proposal Report**.

IS 1901 – Microcontroller based ICT Project

PROJECT PROPOSAL REPORT
Level 01

<<Project Title>>

Examiner <Mr. B. H. Sudantha> <Signature>

Submitted by:

<< Index Number - Student Name>>
<< Index Number - Student Name>>
<< Index Number - Student Name>>
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<< Index Number - Student Name>>

Bachelor of Information Technology and Management
Faculty of Information Technology
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Table of Contents

1. Introduction

<<This is the first chapter of your project report. Introduce your identified problem here. It should be presented under several sections. The introduction chapter should cover the details about your programmable problem, why it is important to develop a solution for that problem. >>

1.1 Problem in Brief

- Explain the identified problem

1.2 Significance of study

- Identify needs or problems to be addressed.
- Impact of the problem on relevant users (Stakeholders).
- You can also refer to existing solutions for your problem and brief them here.

1.3 Aim and Objectives

- State what your aim is – i.e. what are you going to do in the project.
  - Ex: Write a sentence similar to 'The aim of this project is to develop a system for addressing …… with the use of …….'.
- State all objectives that should be accomplished to achieve your aim.
  - To …
  - To …

2. Literature Study

<<In this chapter you should describe what are the challenges associated with your problem, and what are the existing solutions in detail. You should cite other systems/solutions and discuss how they handle the problem you are going to solve in detail. >>

3. Proposed Solution

<<In this chapter you should describe the proposed solution to address the identified problem in Chapter 01. As such you should write about the technology to be adapted, nature of the solution (input, output, process, users), the feasibility of implementation of the solution, your capability to solve the problem, and the availability of resources. Should mention the individual contribution to the final solution>>

3.1 Features of the Proposed Solution

- Explain the identified solution features in detail.

3.2 Nature of the Solution

- You should include a diagram that demonstrates the input, process, and output of the proposed solution.

3.3 Solution Design

- You should include a high level design of the solution that visualizes the connectivity of components.

3.4 Resources

- In here you should mention the required resources for the solution design with the budget allocation for those items.

3.5 Workload Matrix

In here you should mention how the development of the solution has been divided among group members and the expected contribution of each member to the group project.

4. References

Provide a list of supporting material for your project here following the IEEE guidelines. It may be:

- Research materials
- Books, web links
- Other relevant information or correspondence