Assignment 3 – Final Report and Demonstration

Weight: 45%

Deadline: Should present and demonstrate on the scheduled date and time. The report should be submitted by the scheduled date and time.

Submission: Submit the report to the given link on the courseweb.

Section 1 – Final Report [15%]

Complete the report considering the following aspects.

1.1. Report structure

The report may contain the following sections.

- Pre-body section
    - Title page – Refer to the appendix 1
    - Declaration – Refer to the appendix 2
    - Abstract – A summary of the entire body section (maximum 1 page)
    - Acknowledgement – Acknowledge all the parties who supported (maximum 1 page)
    - Table of contents – Recommend to generate the ToC using the MS Word's tool
    - List of Tables – Recommend to generate the LoT using the MS Word's tool
    - List of Figures – Recommend to generate the ToF using the MS Word's tool
    - List of abbreviations – Sort them alphabetically

- The main body – Organize the content according to the chapters listed. Sufficient description should be provided and diagrams to support. *Page count should be between **30 and 40**.*

    - Chapter 1. Introduction
        - Background
        - Problem and motivation
        - Literature review – If the section is longer than a page, make the literature review a main chapter to discuss everything and only include a summary here.
        - Aim and objectives
        - Solution overview
        - Methodology - If the discussion is longer than a page, make the methodology a main chapter to discuss everything and only refer to it here.
        - The structure of the report – Try to provide an understanding of the flow of the rest of the report.
        - A clickable link to the Git repo
    - Chapter 2. Requirements – Stakeholder analysis, requirements analysis, requirements modeling.
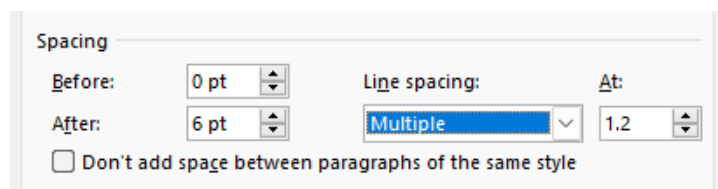
- Chapter 3. Design and Development – Diagrams of components, processes, workflows, databases, and development aspects.
- Chapter 4. Testing – Test cases and results.
- Chapter 5. Evaluation and Conclusion – evaluate with test results and/or user/expert feedback. Conclude how the objectives are met and the aim is achieved.
- References – Recommend to use the MS Word's referencing tool to cite the references and generate the references list.

NOTE: You may decide the names and number of chapters in your report. If there is less content (1-2 pages) in a chapter you may merge the content with another chapter or if a chapter is too long (more than 3-4 pages) you may split it into two different chapters.

- Post-body section
  - Appendix A(1-2 pages): A table containing the work done by each member(similar to the table in Charter document)
  - Appendices (if any) – If there are any appendices, make sure to refer to them in the body. See the appendices section of this document and identify how are they referred within the document. Recommend to include all the main content in the main chapters and additional supporting content in the appendix B.

1.2. Report formatting

- General formatting
  - Page size: A4
  - Margins: default margins
  - Normal font: Times New Roman
  - Normal font size: 11
  - Line spacing: See the image   ->
  - Paragraph alignment: Justify

  - Page numbering: On the center of the footer. Refer to the other formatting sections below for more page numbering formats.
  - All the figures and tables should use proper captions. Make sure to use specific names rather than generic names. For example, use "Sequence diagram of login process" instead of "Sequence diagram".
  - Table captions should be placed before the table and the figure captions should be placed after the figure.
  - Figures and tables should be numbered based on the chapter number, starting from 1 in each chapter. For example, the number of the first figure in the chapter 3 should be "Figure 3.1: ".
  - Make sure the text size in the figures is close to the paragraph text size, thus, they are readable.
- Headings (Use the styles in MS Word)
  - Section/Chapter heading (Heading 1): 16, Bold, Center, Lower border
  - Sub-section level 1 headings (Heading 2): 12, Bold, Underlined, left aligned

- - o Sub-section level 2 headings (Heading 3): 11, Bold, Underlined, left aligned
    - o Use proper multi-level Arabic numbering
- Pre-body section
    - o Title page – May use a border only on the title page. Do not include a page number. Refer to the sample title page in appendix 1.
    - o Page numbering should be included from the page next to the title page. Start the page numbering from i (one, in lower case roman numbering)

- Body section
    - o Include page numbering from the first page of the first chapter. Restart page numbering from Arabic 1.
    - o Include the chapter number and name on the right-side of the page header except the first page of the chapter (you need to use proper section breaks to do this).
- Post-body section
    - o Restart page numbering from I (uppercase roman numbering)

1.3. <u>Marking scheme for the report</u>

- **NOTE**: The report mark is a group mark.
- **NOTE**: The marking criteria focus on the content n the report and the content should be included in proper chapters based on the structure of your report. **A single criterion in the marking scheme does not represent a single chapter or a section**.

Content	Marks
Formatting	10%
Introduction	15%
Requirements	10%
Design	15%
Development	10%
Testing	10%
Evaluation	15%
Conclusion	10%
References and citations	5%
Total	**100 %**

Section 2 – Presentation + viva [10%]

- Presentation and viva will be scheduled during the ITP module sessions.
- All the members of the group MUST participate the presentation, and absent members will not be given additional schedule or marks.
- **The presentation should focus on the content of the introduction chapter, evaluation chapter, and the conclusion chapter of the report.**
- Duration of the presentation is **maximum 5 mins** and a single member or multiple members may present. Only present a summary, including the most important points.
- The viva will follow after the presentation, during the demonstration, and after the demonstration.

Marking scheme

Content	Type	Marks
Background	Group mark	10%
Problem and motivation	Group mark	10%
Literature review (a summary)	Group mark	10%
Aim and objectives	Group mark	10%
Solution overview	Group mark	10%
Methodology	Group mark	10%
Evaluation	Group mark	10%
Conclusion	Group mark	10%
Presentation skills	**Individual mark**	**10%**
Viva	**Individual mark**	**10%**
Total		**100 %**

Section 3 – Product demonstration [20%]

- Your system should be 100% completed and should work smoothly.
- All the members of the group MUST participate the presentation and demonstration. Absent members will not be given additional schedule or marks.
- Consider the marking scheme below to understand the ways to demonstrate the prototype.
- You should **not take more than 30 mins** for the complete demonstration (each member 3-4 mins).

Marking scheme

Section	Type	Marks
The GUIs (web pages, mobile UIs) – All the modules should be integrated into a single system and there should be a uniform theme. ▪ UI [10%] – theme, structure, formatting, colors, fonts, images, menus and navigation ▪ UX [10%] – ergonomics, consistency, usability, informativeness **NOTE**: If your module is not integrated, you will not get this mark.	Group mark	20%
▪ Modules are integrated into a single system [10%] ▪ Workflows – user stories are implemented as complete processes. At least 3 complete processes should be demonstrated and each will be given 10%. **NOTE**: If your module is not integrated, you will not get this mark.	Group mark	40%
CRUD operations in each module (complete database should be available) Demonstrate them during the workflows.	Individual mark	20%
Form validations (frontend + backend)	Individual mark	5%
Additional features (report generation, search, etc.)	Individual mark	15%
Total		**100 %**

NOTE: If the individual contribution is not available, the group mark will not be given.

Appendices

Appendix 1 – Title page

Title page should include the below details.

- The Title of the Project
- Logo and Name of this Institute (Sri Lanka Institute of Information Technology)
- Module code and name
- Group ID
- Project Team members' names
- Month of submission

Refer to the next page for a sample title page.

Library Management System

Project Report

Sri Lanka Institute of Information Technology

IT2080 Information Technology Project

Group 123456

ITXXXXXXXX Member1 name

ITXXXXXXXX Member2 name

ITXXXXXXXX Member3 name

ITXXXXXXXX Member4 name

ITXXXXXXXX Member5 name

ITXXXXXXXX Member6 name

ITXXXXXXXX Member7 name

ITXXXXXXXX Member8 name

October 2022

Appendix 2 – Declaration

Declaration

This project report is our original work and the content is not plagiarized from any other resource. References for all the content taken from external resources are correctly cited. To the best of our knowledge, this report does not contain any material published or written by third parties, except as acknowledged in the text.

Authors:

Author SID	Author name	Signature
ITXXXXXX	Member1 name	………………….
ITXXXXXX	Member2 name	………………….
ITXXXXXX	Member3 name	………………….
ITXXXXXX	Member4 name	………………….
ITXXXXXX	Member5 name	………………….
ITXXXXXX	Member6 name	………………….
ITXXXXXX	Member7 name	………………….
ITXXXXXX	Member8 name	………………….

Date:……………………………….