ICT 2212 Skills Development Project

Software Design Specification Guidelines

SDS document should satisfy following properties generally.

1. After developing the software based on SDS, software should be validated whether it is developed base on the design described in SDS.
2. SDS should specify design aspects of the proposed software according to requirement specifications.
3. To represent same meaning, same word or word phrases should be used in every place in the SDS document.

The Software Design Specification should contain the following:

	Comment
Title	The project title should be short and descriptive.
cover page	Use the attached format.
Project Details	Use the attached format
Table of Contents	Please include a table of contents listing the contents of your submission as well as the attachments that you wish to be considered.
List of Figures	Figures as appearance in the document
List of Tables	Tables as appearance in the document
Introduction	Background or introduction section provides a description of the basic facts and importance of the project. Include the purpose of the Software Design Specification. Include Financial, Technical and Organizational design Constraints
General Overview	Include the proposed solution for your project Include the Role, Responsibilities and concerns of the stakeholders System Overview : Assumptions, Constraints, Dependencies, Risks
Design Considerations	Include the Goals and Guidelines, Environment, Development methods and Architectural style/strategies and patterns
System Architecture and architecture Designs	System Architecture Diagrams Hardware Architecture Software Architecture
System Design	Include details about the program design, Database Design and user interface design of the project
Detailed Design	Include Class diagram, Sequence diagrams and user interfaces of

	your project.
Summary	Include a short summary about your project
Appendix	You can attach any supporting document under appendix at the end of the document.

Report Formatting Guidelines

1. Heading 1 (Font: Times New Roman, Font Size: 16, Bold)
2. Heading 2 (Font: Times New Roman, Font Size: 14, Bold)
3. Heading 3 (Font: Times New Roman, Font Size: 12, Bold)
4. Paragraph (Font: Times New Roman, Font Size: 12)
5. Numbering (1. 2. 3. …)
6. Multilevel Numbering (1.   1.1.   1.1.1 only up to third level)
7. Each diagram should be numbered and titled
8. Diagram Title (Font: Times New Roman, Font Size: 10, Bottom of the diagram)
9. Each table should be numbered and titled
10. Table Title (Font: Times New Roman, Font Size: 10, Top of the table)
11. Margin (Top: 1 in, Bottom: 1 in, Left: 1 in, Right: 1 in)
12. Page Layout (Size: A4, Orientation: Portrait)
13. Document should be prepared using a word processor (.docx or .doc format)
14. Page Numbering (Position: Bottom Middle, format: **page 1 of 6,** Starting form Introduction section)
15. Page Numbering (Position: Bottom Middle, format: **i   ii   iii,** up to Chapter 01 - Introduction section without the first page)

Report Submission Guidelines

1. All the groups should send the report to relevant project mentor for reviewing before **15th August 2021**.
2. Leader of each group should email the finalized report approved by the mentor with e-signature in **pdf** format to hherath@tec.rjt.ac.lk email address on or before **25th August 2021 5 PM**.
   Rename your file with Group number and group name.
   (Example: Group 01 - ABCDE)
3. A hard copy of which is approved by the mentor with signature (e-signature will be sufficient) should be submitted to the project coordinator whenever you come back to the university.