

Guideline for Final Report

ICT1223

System Analysis Design and Usability

Department of Information and Communication Technology

Faculty of Technology

1. Introduction

The system design project is given under module System Analysis and Design and Usability and is carried out in groups. Students are permitted to visit any organization in the industry to conduct the assignment.

The topic for the project should be relevant to information technology and it shall be selected in consultation with the lecturer in charge.

The project is intended to be an opportunity for participants to apply concepts, methods and skills acquired during the program to a problem in a real-life business or organizational situation.

2. Objectives

- Enhance students' software analysis and design skills.
- Application of theories learnt to solve the industrial problems.

3. Project Selection and Registration

Students are required to design a computerized system for a selected company. When students select a project, scope should be aligning with the group size. The students can perform two categories of projects.

- i. Design a computerized system for a manual system
- ii. Design a computerized system to improve existing computerized system.

4. Project deadlines

Students must complete the project within deadline defined by the lecturer.

5. Final project report

a. Report Structure

Cover page & back

These should be spiral bounded with transparent front cover and hard back cover

The cover Page

Project title
Type of report
Title of the module with module code
Candidates' name
Lecturer in charge
Date of submission
Name of the institute with logo

Declaration Page

The page should contain the following signed declaration.

“I/We certify that this project does not incorporate without acknowledgement, any material previously submitted for a assignment in any institution and to the best of my knowledge and belief ,it does not contain any material previously published or written by another person or myself except where due reference is made in the text”

Preamble

This section should include;

- Abstract
- List of keywords
- List of figures
- List of tables
- List of acronyms and abbreviations
- Acknowledgement

Introduction

The section provides company overview, background of the project, aims and objectives, proposed solution and expected outcome in brief.

Analysis

The section describes how you analyze the problem. You should use following diagrams to present the outcomes of the analysis.

- DFD Diagrams
 - Context Level
 - Level 0
 - Level 1
- ER Diagram

Design

The section presents the design of the proposed solution. You should use following components to present the system design.

- Interface designs

Report design

Conclusion

The section summarizes your achievements and weaknesses of the project briefly.

References

List any books, articles, lecture notes, web sites or other documents used to succeed your project.

Appendices

Project Charter

Questioners/interview questions...etc

Other reviewed documents

b. Report Formatting

Margins	top bottom rightat least 1"
	Left at least 1.5
Paper size and quality	A4 size white paper 80gsm
Font type	Times New Roman
Font size	chapter headings 14pt
	Sectional 13pt
	Others 12pt
Line spacing	1.5
Justification	all text should be fully justified
Page numbering	page numbers should appear on the footer as centered text
	Pages in the preamble should use roman numbering (I, ii..)
	Pages in the main body should use Arabic numbering (1, 2...)

6. Final Report submission

These should be spiral bounded with transparent front cover and hard back cover

The front of the page

Project title

Name of the division

Candidates' name

Year of submission

Name of the institute

Sample: Cover Page

{Title of the Report}

Assignment 2

ICT 1223 System Analysis Design and Usability

by
{Names of group members & index numbers}

Lecturer in charge: {name}

Submission Date: {date}



Bachelor of Information and Communication Technology
Department of Information and Communication Technology
Faculty of Technology
University of Ruhuna.

Sample: Declaration page

Declaration

“We certify that this project does not incorporate without acknowledgement, any material previously submitted for an assignment in any institution and to the best of my knowledge and belief, it does not contain any material previously published or written by another person or myself except where due reference is made in the text. I also hereby give consent for my dissertation, if accepted, to be made available for photocopying and for interlibrary loans, and for the title and summary to be made available to outside organizations”.

Name	Index No	Signature
AAAA	AA/AAAA/AAA
BBBB	BB/BBBB/BBBB

Preamble

Acknowledgement
Table of Contents
List of Tables
List of Figures (if applicable)
List of Abbreviations

Chapters

Chapter 1: Introduction
1.1 Introduction to the organization
1.2 Current process of the organization
 1.2.1 Process 1
 1.2.2 Process 2
1.3 Statement of the Problem
1.4 Aims and Objectives
1.5 Scope of the project
1.6 Gantt Chart

Chapter 2: System Analysis & Design
2.1 Context diagram
2.2 Level 0 DFD
2.3 Level 1 DFDs
2.4 ER diagram
2.5 Software Requirement Specification

Chapter 3: Proposed System Design
3.1 Proposed System Interfaces
3.2 Report Designs

Conclusion
References
Appendices

Sample SRS – Functional:

ID	Description
Application	
1	Shall be able to register users
2	Shall be able to authenticate users
User	
22.	Shall be able to place order
23	Shall be able to navigate through product catalogue.