**MARKING SCHEDULE**

1. Overall 10 marks
2. Executive summary 6 marks
3. Introduction 10 marks
4. Outline of the solution proposed to solve the problem(s) 10 marks
5. Functional requirements 25 marks
6. Non-functional requirements 10 marks
7. Diagrammatic representation of requirements for the system 20 marks
8. Conclusion 5 marks
9. Appendices 4 marks

Appendix A – Deliverable Task Breakdown Statement

Appendix B – Copies of client documents (as applicable)

Appendix C – Glossary

## Total 100 marks

ICT313 Natural User Interfaces

Tempest

Requirements and Analysis



# Title Page



**Project name:**

**Client/organisation:**

**Supervisor:**

**Team members:**

**Date of document:**

**Version of document:**

# Contents Page



[Title Page 2](#_Toc395704151)

[Contents Page 3](#_Toc395704152)

[Executive Summary 4](#_Toc395704153)

[Introduction 5](#_Toc395704154)

[Outline of the Solution Proposed to Solve the Problem 6](#_Toc395704155)

[Functional Requirements 7](#_Toc395704156)

[Non-functional Requirements 8](#_Toc395704157)

[Diagrammatic Representation of the Requirements 9](#_Toc395704158)

[Conclusion 10](#_Toc395704159)

[Appendices 11](#_Toc395704160)

# Executive Summary



Purpose of the document:

A summary of the whole document; that is, what is presented in each section below.

# Introduction



Project purpose

The background to the client’s business/organisation

Narrative outline of the current system (if applicable) and the system to be created

Problems and Opportunities

* The basic problem(s) that needs solving
* The opportunities afforded by solving the problem(s)

The objectives and goals of the system that will be produced

Brief discussion of methodology

# Outline of the Solution Proposed to Solve the Problem



The scope of the solution

A narrative description of the proposed solution in terms of:

* The system functionality
* A description of the interface through which the user will access that functionality
* The output expected from the system.
* Any constraints imposed on the project
* The hardware/software and other computing environments to be used in the solution

# Functional Requirements



A list of the functional requirements broken up by requirement and including the following information – see lecture slides for more detail:

* Name of highest ranked requirement
* A full description task in terms of the work required; also include:
* Criticality
* Technical issues
* Cost and schedule
* Risks
* Dependencies with other requirements
* Name of second highest ranked requirement

….etc

# Non-functional Requirements



A list of non-functional requirements - see lecture slides for more detail:

For each non-functional requirement consider the following:

* Documentation
* Hardware Consideration
* Performance Characteristics
* Error Handling and Extreme Conditions
* System Interfacing and Compatibility
* Quality Issues
* System Modifications
* Physical Environment
* Security Issues
* Resource Issues

# Diagrammatic Representation of the Requirements



Model the processes in the system. For example: Context diagram, level 0 / use-case models

Model the data in the system eg ERD

Model the dynamic events in the system – if using object orientation

Model the physical components and other software involved in the running of the system

eg. network topology diagram

# Conclusion



Restate the purpose of the document

What the document discussed

# Appendices



Appendix A – Deliverable Task Breakdown Statement (signed, scanned and inserted into document)

Appendix B - Copies of client documents on which you based the analysis.

Appendix C - Glossary