**Interim Report**

**Level 4**

**Community Based Train Locating System (CBTLS)**

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139180A

**Supervised by**: Mr. Saminda Premaratne

Faculty of Information Technology

University of Moratuwa

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**Abstract**

This may be of maximum of one page description of problem that you address, your

approach (users, input, output, process), analysis & design, implementation details.

Do not use citations, abbreviations, further work (but only what you have done) in the

abstract.

**Table of Contents**

Here you should list headings of chapters/sections/subsections with page numbers. See

the sample for table of contents (Appendix E).

**List of Figures/Tables**

Here you should list Figures/Tables captions followed by names, with page numbers.

See the sample for list of figures and tables (Appendix F)

3. Body of the Interim Report

The Interim report must be structured with reference to the following chapters. Note that the

names of the headings given below are too generic and you must rename them to reflect about

your project. All headings must be numbered (12pt, bold), and body of the text in must be in

12pt. Do not use any decorations on headings. See the sample for chapters and sections.

1. Introduction

This may have two-three sections.

In the first section you should write brief introduction including background and motivation for the project. In this you must also show the importance of the problem with the support from literature. This section should have citations to refer to items in the list of reference. Then write Aim and Objectives of the project under a separate heading.

In the next section, briefly state about your solution in terms of users, input, output, process, technology, features, and system requirements.

As the third paragraph, you should also add a section about the structure of the dissertation. For example, Chapter 2 describes the problem domain. Chapter 3 is on …….

1. Review of others’ work

Give a suitable name for this heading. For example: Current issues in MIS. This section should give a full description about background information of the project. Based on a literature survey, you should state about others’ approaches to solve similar problems and highlight your problem. Try to provide a table for comparison of different approaches. This section should necessarily have citations to refer to items in the list of reference.

1. Technology adapted

Sometimes, you may have more than one chapter for this topic. Give a suitable name for this heading too. An example title could be Expert Systems - beyond MIS. Here you should state about the technology that you adapt to solve the problem. Clearly point out how/why these techniques are appropriate to solve your problem. This should not be a description of some technologies, without referring to the problem that you address. This section should also have citations to refer to items in the list of reference.

1. Your Approach

Again give a name to reflect what your project is about (e.g. Using expert systems for

expanding MIS). Here you write on how you adopt the technology to solve the said

problem. This description may be presented with reference to users, inputs, outputs,

process, technology that implements the solution.

1. Analysis and Design

This contains details of design (or analysis and design) of your solution. Here you

should necessarily include a diagram to show at lest the top level deign of the

proposed system. Describe the modules in the diagram stating WHAT each module

does and its interaction with other modules/components. When ever you introduce a

Figure/Table remember to name Figures/Tables with a caption, and cite Figure (using

the caption) in the body of the text.

1. Implementation

In the interim report, this chapter may not be very descriptive. However, in this

chapter you provide implementation details of each module that is stated in the design

diagram. Remember to maintain the consistency between design and the

implementation sections. In describing the implementation, you should state about,

software, hardware, flowcharts, algorithms, pseudo codes, code segments as per each

module in the design. All these flowcharts, algorithms, etc. may be defined as figures

or listing and cite them inside the text. Extra details of implementations (e.g. source

codes, screenshots) should go to an Appendix.

1. Discussion

In general, after the implementation chapter, you should report on the

evaluation/testing of the solution. At the interim report you may not have done a

proper testing. If you have some test results, you can report them here. Then gives

good summary about what was discussed in the report. More importantly, you should

write how your solution differs from similar works by others. In this section, you

should also state further work of your project. As such present your plan for

evaluation of the system.

1. Reference

Here you should give details of citations that you have used in the text. An entry in list

of reference generally includes information such as Author, Year, Title of the Article,

Name of Journal/conference, page numbers. There are various reference and citation

styles, but you should use the one shown in the sample below.

<http://www.railway.gov.lk/web/index.php?option=com_content&view=article&id=126&Itemid=180&lang=en#IT>

<https://play.google.com/store/apps/details?id=com.sasyabook.runningtrainstatus>

<https://play.google.com/store/apps/details?id=lk.icta.mobile.apps.railway>

<https://play.google.com/store/apps/details?id=com.esri.android.VRMobile&hl=en>

<http://www.slrail.info/tracking/indexEnterSite.html>

<http://www.sundaytimes.lk/140629/news/launch-of-system-to-keep-track-of-trains-105121.html>

http://synergyy.com/2014/08/how-to-search-where-the-train-is-in-sri-lanka-system-to-keep-track-of-trains-click-www-slrail-info-25661/

1. Appendixes

You may have several appendixes to refer to further details related to chapters like:

Technology adapted, Analysis and Design, and Implementation.