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# Traffic Information System for Sri Lanka

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## Declaration

I declare that this thesis is my own work and has not been submitted in any form for another degree or diploma at any university or other institution of tertiary education. Information derived from the published or unpublished work of others has been acknowledged in the text and a list of references is given.

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Name of the student


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Supervised by  
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Signature of supervisor

Date 05/12/11

## Dedication

This thesis is dedicated to my parent S.C. De Silva and I. S. D. De Silva who introduced me to the joy of reading from birth, enabling such a study to take place today.

I also dedicate this dissertation to my dear husband P.D.J.S Siriwardhana who has supported me throughout the process. I appreciate his great assistant in completing this project.



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Finally I am kindly reminding my loving parents, husband, brothers and friends who encouraged me to work on this project and again thanking them for the assistance and help given in whatever way to make this project a success.



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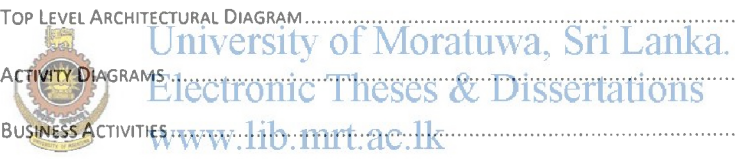
## Abstract

Transportation is one of the most development factors in Sri Lanka recently. Therefore it has also become the basic area for conducting research. Transportation Engineering Division at University of Moratuwa is such an institute in Sri Lanka that contribute in many research on Transportation. In addition they have the responsibility in taking decision and conclusion on planning of future development regarding to transportation in Sri Lanka. The one of the important factor for this type research is survey reports. The researchers sometimes need to conduct new surveys or they would need some passed survey reports to continue with their research. The Surveys are conducted at pre decided location that affect to the individual project or research. The mechanism that is used to collect traffic data at survey location is slightly different at many occasions .most of these differences are basically caused by “Vehicle Classifications”, “data collecting time intervals “ factors. This could affect to estimations of traffic counts, traffic forecasting and other relevant analytical calculations. There is no sudden way of getting analytical solution by accessing these survey reports. Though large number of traffic surveys is conducted every year but there is no mechanism to easily retrieve past data for any comparison, analysis or other estimation. Not having a proper indexing system or centralized data base is one of the reasons for the above and the other reason is the non uniformity of data collection at different locations. Sometimes The Research People needs to go through the survey reports or other specific documents regarding to particular survey, but no central location or sound file system to easily obtain them. Therefore many transport studies are conducted with minimal information due to lack of past information or spend lot of money and resources to collect information. The computerized system including file server and database server is proposed with the features of accessing these survey entries in estimation, planning and obtain analytical solution through the traffic data .All features are under privileged environment.

# Table of Content

<b>CHAPTER 1 – BACKGROUND AND INTRODUCTION.....</b>	<b>1</b>
1.1 INTRODUCTION .....	1
1.2 MOTIVATION AND BACKGROUND .....	2
1.2.1 <i>Survey time</i> .....	2
1.2.2 <i>Counting Interval</i> .....	2
1.2.3 <i>Vehicle Classification</i> .....	3
1.3 AIM & OBJECTIVES .....	4
1.4 PROPOSED SOLUTION .....	5
1.4.1 <i>System Requirements</i> .....	6
<b>CHAPTER 2 – REVIEW OF OTHER’S WORK.....</b>	<b>7</b>
2.1 INTRODUCTION .....	7
2.2 DISCUSSION ON REVIEWS.....	8
<b>CHAPTER 3 – TECHNOLOGY.....</b>	<b>10</b>
3.1 INTRODUCTION .....	10
3.2 SOFTWARE DESIGN AND DEVELOPMENT.....	10
3.3 DATABASE SERVER CONFIGURATION.....	11
3.3.1 <i>Scalability and Flexibility</i> .....	12
3.3.2 <i>Robust Transactional Support</i> .....	12
3.3.3 <i>Strong Data Protection</i> .....	12
3.3.4 <i>Comprehensive Application Development</i> .....	12
3.3.5 <i>Open Source Freedom and 24 x 7 Supports</i> .....	12
3.4 FILE SERVER CONFIGURATION.....	13

<b>CHAPTER 4 – APPROACHES TO THE SOLUTION .....</b>	<b>14</b>
4.1 INTRODUCTION .....	14
4.2 STUDY OF THE CURRENT SYSTEM.....	14
4.3 REQUIREMENT AND TECHNOLOGY SPECIFICATION .....	14
4.4 TECHNICAL TOOLS .....	15
<b>CHAPTER 5 – ANALYSIS AND DESIGN .....</b>	<b>17</b>
5.1 INTRODUCTION .....	17
5.1.1 Use case diagram.....	17
5.1.2 Use Case Specification.....	17
5.1.2.1 Enter MCC Survey Sheets.....	18
5.1.2.2 Enter Turning Survey Sheets.....	19
5.1.2.3 Manage MCC Reports (download).....	20
5.2 TOP LEVEL ARCHITECTURAL DIAGRAM.....	21
5.3 ACTIVITY DIAGRAMS.....	21
5.4 BUSINESS ACTIVITIES.....	22
5.5 PACKAGE DIAGRAM .....	22
5.6 CLASS DIAGRAM.....	22
5.7 SEQUENCE DIAGRAM.....	23
5.7.1 Message Order Specification for Enter New Survey Sheet for MCC.....	23
5.7.2 Message Order Specification for Enter New Survey Sheet for Turning Movement .....	24
5.8 COMPONENT DIAGRAM .....	24
5.9 ER DIAGRAM.....	24
<b>CHAPTER 6 - IMPLEMENTATION .....</b>	<b>26</b>
6.1 INTRODUCTION .....	26
6.1.1 Hardware and Software Supported for Implementation.....	26



6.2 COMPONENT SPECIFICATION .....	28
6.2.1 Traffic Flow Estimation.....	28
6.2.2 Traffic Database Access .....	29
6.2.3 File Server .....	30
6.2.4 Mange Report Content.....	30
6.2.5 Survey Entry forms .....	31
6.2.6 Manage Traffic Survey Data.....	32
6.2.7 Vehicle Classification Settings .....	35
6.2.8 Time Interval Settings.....	36
6.2.9 Update Road Network.....	37
6.2.10 Data Forecasting.....	38
6.2.11 Charts.....	39
6.2.12 Traffic Analysis Component.....	39
<b>CHAPTER 7 - EVALUATION</b> .....	<b>40</b>
7.1 INTRODUCTION .....	40
7.2 EVALUATION METHODOLOGY.....	40
<b>CHAPTER 8 – CONCLUSION &amp; FUTURE WORKS</b> .....	<b>41</b>
8.1 CONCLUSION .....	41
8.2 FUTURE WORKS.....	42
<b>REFERENCES - REFERENCES</b> .....	<b>43</b>
<b>APPENDIXES</b> .....	<b>44</b>
APPENDIX A.....	44
A.1 FACT FINDING TECHNIQUES USED .....	44
A.2 SOLUTION APPROACH .....	45





A.3 VEHICLE CLASSIFICATION REGARDING FOR CURRENT PROBLEM DOMAIN .....	47
A.4 SYSTEM USERS .....	56
APPENDIX B .....	58
B.2 USE CASE DIAGRAMS .....	58
B.3 USE CASE SPECIFICATION .....	61
<i>B.3.1 Import Data from Excel Survey Sheet to the database .....</i>	<i>61</i>
<i>B.3.2 Export survey entry sheet to a excel sheet.....</i>	<i>62</i>
<i>B.3.3 Manage Users (Add New User). .....</i>	<i>63</i>
B.4 ACTIVITY DIAGRAM.....	64
B.4.1 Manage MCC Survey.....	64
B.4.2 Import Survey Sheet File to the database .....	65
B.4.3 Manage MCC Survey reports.....	66
B.4.4 Set Default Settings.....	67
B.4.5 Estimate Traffic Flow Counts.....	68
B.4.6 Update Road Network.....	69
B.4.7 Estimate Link Flow Counts.....	70
B.4.8 Road Flow Counts .....	71
B.4.9 Enter Turning Movement Survey Sheet .....	72
B.4.10 Manage MCC Reports (download) .....	73
B.5 BUSINESS ACTIVITY DIAGRAM .....	73
B.5.1 Enter New MCC Sheet .....	74
B.5.2 Enter New Turning Movement Sheet-Business Activity Diagram .....	75
B.6 SEQUENCE DIAGRAM .....	76
B.6.1 Enter New Turning Movement Sheet-Sequence Diagram .....	76
B.7 COMPONENT DIAGRAM .....	77
B.8 PACKAGE DIAGRAM .....	78

B.9 CLASS DIAGRAMS .....	79
B.9.1 Road Network .....	79
B.9.2 TRAFFIC MODEL .....	80
B.9.3 Component Details .....	81
B.9.4 ER Model .....	84
APPENDIX C .....	85
C.1 IMPLEMENTATION (INTERFACES AND DIAGRAMS) .....	85
C.1.1 User Login .....	85
C.1.2 Administrator Main Menu .....	86
C.1.3 Link flow Counts with Time .....	87
C.1.4 Link flow Counts without Time .....	88
C.1.5 Road Flow (To) Counts .....	89
C.1.6 Road Flow (From) Counts .....	90
C.1.7 Manage Turning movement Surveys .....	91
C.1.8 Turning movement traffic counts type Survey Sheet .....	91
C.1.9 Read survey sheet as a excel file .....	92
C.2.0 Manual classified reports download/upload .....	93
C.2.3 New road entry .....	94
C.2.4 New node entry .....	95
C.2.5 New Link connecting existing node and link .....	96
C.2.6 New link connecting existing nodes .....	97
C.2.7 Upload/download turning movement's reports. ....	98
C.2.8 Manage users .....	99
C.2.9 Data Entry Overview for MCC survey sheet .....	100
C.2.10 Data Entry Overview for turning movement .....	100
APPENDIX D .....	101

D.1 SCREENSHOTS (SAMPLE INPUTS AND OUT PUTS) .....	101
D.2 PROCESS OF MANAGE NETWORK.....	106
APPENDIX E .....	112
E.1 EVALUATION.....	112
E.2 EVALUATION FORMS .....	113
<i>E.2.1 Target Oriented</i> .....	113
<i>E.2.2 Usability of the System</i> .....	114
<i>E.2.2 Comprehensibility of Information</i> .....	116
<i>E.2.3 Clear Outcomes</i> .....	117
E.3 TEST CASES.....	119
E.3.1 LOGIN .....	119
E.2.2 LOAD SURVEY ENTRY FORM:- .....	119
E.2.3 INSERT NEW SURVEYED COUNTS. ....	120
E.2.4 IMPORT SURVEY SHEET FILE.....	120
E.2.5 TRAFFIC COUNTS ESTIMATION.....	121
E.2.6 TEST CHARTS .....	121
E.2.7 TEST FORECASTING.....	122
E.2.8 TEST NEW USER ENTRY .....	122



## List of Tables

1.2.1 Survey time .....	2
1.2.2 Counting Interval .....	2
1.2.3 Vehicle Classification .....	3
1.4.1 System Requirements.....	6

3.3.1 Scalability and Flexibility .....	12
3.3.2 Robust Transactional Support.....	12
3.3.3 Strong Data Protection.....	12
3.3.4 Comprehensive Application Development .....	12
3.3.5 Open Source Freedom and 24 x 7 Supports.....	12
5.1.1 Use case diagram .....	17
5.1.2 Use Case Specification .....	17
5.1.2.1 Enter MCC Survey Sheets .....	18
5.1.2.2 Enter Turning Survey Sheets .....	19
5.1.2.3 Manage MCC Reports (download).....	20
5.7.1 Message Order Specification for Enter New Survey Sheet for MCC .....	23
5.7.2 Message Order Specification for Enter New Survey Sheet for Turning Movement .....	24
6.1.1 Hardware and Software Supported for Implementation .....	26
6.2.1 Traffic Flow Estimation.....	28
6.2.2 Traffic Database Access.....	29
6.2.3 File Server.....	30
6.2.4 Manage Report Content.....	30
6.2.5 Survey Entry forms.....	31
6.2.6 Manage Traffic Survey Data.....	32
6.2.7 Vehicle Classification Settings .....	35
6.2.8 Time Interval Settings.....	36
6.2.9 Update Road Network.....	37
6.2.10 Data Forecasting .....	38
6.2.11 Charts .....	39
6.2.12 Traffic Analysis Component.....	39
B.3.1 Import Data from Excel Survey Sheet to the database.....	61
B.3.2 Export survey entry sheet to a excel sheet. ....	62
B.3.3 Manage Users (Add New User). ....	63
B.4.1 Manage MCC Survey.....	64
B.4.2 Import Survey Sheet File to the database.....	65

B.4.3 Manage MCC Survey reports.....	66
B.4.4 Set Default Settings.....	67
B.4.5 Estimate Traffic Flow Counts .....	68
B.4.6 Update Road Network.....	69
B.4.7 Estimate Link Flow Counts.....	70
B.4.8 Road Flow Counts.....	71
B.4.9 Enter Turning Movement Survey Sheet.....	72
B.4.10 Manage MCC Reports (download).....	73
B.5.1 Enter New MCC Sheet.....	74
B.5.2 Enter New Turning Movement Sheet-Business Activity Diagram.....	75
B.6.1 Enter New Turning Movement Sheet-Sequence Diagram.....	76
B.9.1 Road Network .....	79
B.9.3 Component Details.....	81
B.9.4 ER Model .....	84
C.1.1 User Login.....	85
C.1.2 Administrator Main Menu.....	86
C.1.3 Link flow Counts with Time.....	87
C.1.4 Link flow Counts without Time.....	88
C.1.5 Road Flow (To) Counts.....	89
C.1.6 Road Flow (From) Counts.....	90
C.1.7 Manage Turning movement Surveys .....	91
C.1.8 Turning movement traffic counts type Survey Sheet.....	91
C.1.9 Read survey sheet as a excel file.....	92
C.2.0 Manual classified reports download/upload.....	93
C.2.3 New road entry .....	94
C.2.4 New node entry .....	95
C.2.5 New Link connecting existing node and link.....	96
C.2.6 New link connecting existing nodes.....	97
C.2.7 Upload/download turning movement's reports.....	98
C.2.8 Manage users.....	99
C.2.9 Data Entry Overview for MCC survey sheet .....	100

C.2.10 Data Entry Overview for turning movement.....	100
E.2.1 Target Oriented.....	113
E.2.2 Usability of the System .....	114
E.2.2 Comprehensibility of Information.....	116
E.2.3 Clear Outcomes .....	117

## List of Figures

Figure 1: Top Level Architecture Diagram .....	21
Figure 2: Traffic Flow Estimation Information for Forecasting.....	28
Figure 3: Traffic Flow Estimation Regression model for Forecasting .....	29
Figure 4: Upload/download Turnings movement reports.....	30
Figure 5: Upload/download MCC reports .....	31
Figure 7: 1 <sup>st</sup> Step Filling survey information.....	32
Figure 8: 2 <sup>nd</sup> Step Managing the traffic counts.....	33
Figure 9: Step 3 Uploading the Survey sheet as a excel file.....	34
Figure 10: Step 4 View the Traffic flow distribution hourly .....	34
Figure 11: Step 5 Download facility for MCC reports .....	35
Figure 12: Time Interval Setting.....	36
Figure 13: Time Interval Setting for New Survey .....	37
Figure 14: Road extend by new node .....	38
Figure 16: Administrator Use Case.....	58
Figure 17: Department User's Use Case.....	59
Figure 18: Normal User's use case .....	60
Figure 19: Manage MCC Survey .....	64
Figure 20: Import Survey Sheet Files to Database .....	65
Figure 21: Manage MCC Survey reports.....	66
Figure 23: Estimate Traffic Flow Counts .....	68
Figure 24: Update Road Network .....	69

Figure 25: Estimate Link Flow Counts .....	70
Figure 26: Road Flow Count.....	71
Figure 27: New Turning Sheet Entry.....	72
Figure 28: Manage MCC Reports.....	73
Figure 29: New MCC Entry Sheet-Business Activity Diagram .....	74
Figure 30: New Turning Entry-Buisness Activity Diagram .....	75
Figure 31: New Entry Turning Sheet –Sequence Diagram .....	76
Figure 32: Component Diagram .....	77
Figure 33: Package Diagram.....	78
Figure 34: Road Network Package Diagram .....	79
Figure 35: Traffic Model- Package Diagram.....	80
Figure 37: System Login page .....	85
Figure 38: Administrator Main Page .....	86
Figure 39: Link Flow Counts at The Junction .....	87
Figure 40: Link Flow Counts without Time Intervals .....	88
Figure 41: Road Flow (To) Counts at the Junction.....	89
Figure 42: Road Flow (From) Counts at the junction.....	90
Figure 43: Enter Information for new Turning movement data sheet .....	91
Figure 44; Data view on turning movement data sheet .....	92
Figure 45: Import turning movement data as a excel sheet .....	92
Figure 46: Download relevant reports regarding to the survey location .....	93
Figure 47: MCC survey reports content page.....	93
Figure 48: New Road Entry Sheet .....	94
Figure 49: New Node Entry Sheet.....	95
Figure 50: Creating new link with existing node and link.....	96
Figure 51: Creating new link connecting with existing nodes.....	97
Figure 52: Turning movement survey report content management sheet.....	98
Figure 53: Interface for system User mange.....	99
Figure 54: Data Entry Overview for MCC survey sheets.....	100
Figure 55: Data Entry Overview for turning movement data sheets .....	100
Figure 56: Sample survey data sheet for MCC.....	101

Figure 57: Input data to estimate Traffic Flow counts.....	102
Figure 58: View the output of the forecasted traffic counts .....	103
Figure 59: Graphical Output of survey data of MCC with hourly distribution .....	104
Figure 60: Graphical Output of survey data of MCC with vehicle composition.....	105
Figure 61: Sample Road network .....	106
Figure 62: Creating new link by new node.....	107
Figure 63: Extend road with current link.....	108
Figure 64: new link with current nodes .....	109
Figure 65: new link with current link and node.....	110
Figure 66: new link with current links.....	111
Figure 67: Evaluation Chart as output .....	118



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