Sheridan College
Faculty of Applied Science & Technology

<u>Thesis Individual Evaluation</u>

FRONT MATTER (Including the abstract) [Out of 100] – 20 = 80%

- Title page   **[1 marks]**
- Abstract (limit 350 words)   **[80 marks] - 20**
- {
- Abstract does not clearly capture the focus of your research question:

    <mark>Does guiding CVs away from emergency reserved routes reduce traffic volume and increase arrival times for ERs?</mark>

    }

- Acknowledgments   **[3 marks]**
- Table of contents   **[6 marks] {Your thesis inception goes upto chapter-3. As such, you may remove chapters 4,5/6 from your table of contents for now}**
- List of tables and figures   **[6 marks]**
- Glossary   **[4 marks]**

THESIS CHAPTERS

Below are generic outlines for a three-chapter thesis proposal

1. Introduction
2. Literature review
3. Methodology

Quantitative Thesis Individual Evaluation Outline

Chapter 1: Introduction   **[Out of 100]** **− 14 = 86%**

- Introduction
  - o The introduction includes an overview of the purpose and focus of the study, why it is significant, how it was conducted, and how it will contribute
    [10 marks]

- Statement of the Problem
  - o The problem indicates the need for the study, describes the issue or problem to be studied, and situates it in a broader educational or social context. The problem statement includes a brief, well-articulated summary of the literature that substantiates the study, with references to more detailed discussions in Chapter 2.   **[15 marks]**

- Purpose of the Study
  - o Describing the research purpose in a logical, explicit manner, the statement of purpose is the major objective or intent of the study; it enables the reader to understand the central thrust of the research
    [10 marks]

- Theoretical Framework, outcomes & contributions
  - o This provides an overview of the theory governing the research. Chapter 2 provides more details on such. An outline of the contribution and outcomes is also given here   **[10 marks] − 4 {see document for feedback}**

- Research Question(s) / Thesis Statement
  - o Research questions are directly tied to the purpose. They should be specific, unambiguously stated, and open-ended. These questions cue readers to the direction the study will take and help to delineate the scope of the study.
    [20 marks] − 6 {see document for feedback}

- ☐ Significance of the Study
  - o Significance addresses the benefits that may be derived from doing the study (theoretical and practical significance), thereby reaffirming the research purpose   **[10 marks] − 3 {see document for**

feedback}

☐ Overview of Methodology
- o This section outlines the methodological type or approach, the research setting, the sample, instrumentation (if relevant), and methods of data collection and analysis used.   **[10 marks] – 1 {see document for feedback}**

☐ Definition of Terms   **[5 marks]**

☐ Organization of the thesis
- o This brief concluding explanation delineates the contents of the remaining chapters in the dissertation   **[5 marks]**

☐   Conclusion: summaries the chapter 1   **[5 marks]**

Chapter 2: Review of the Literature [Out of 100] − 26.5 = 73.5

This chapter situates the study in the context of previous research and scholarly material pertaining to the topic, presents a critical synthesis of empirical literature according to relevant themes or variables, justifies how the study addresses a gap or problem in the literature, and outlines the theoretical or conceptual framework of the study. A dissertation does not merely restate the available knowledge base of a particular topic, but adds to or augments it.

- Introduction: The introduction describes the content, scope, and organization of the review as well as the strategy used in the literature search.

  - **[10 marks] – 1 = 9 {see document for feedback}**

- Review of literature: This section
  −−is clearly related to the problem statement, purpose, and research
    questions;   **[10 marks]**
  −−states upfront the bodies of literature that will be covered, and why;
                                                                      [10 marks]
  −−At least 30 reviews of primary sources that are {mostly recent empirical studies from scholarly journals and publications}, as well as secondary sources
                                          [10 marks] – 1.5 = 8.5 {see

  document for feedback}
  −−is logically organized by theme or subtopic, from broad to narrow;
                        [10 marks] – 1 = 9 {see feedback in document}
  −−synthesizes findings across studies and compares and contrasts different
    research outcomes, perspectives, or methods;   **[10 marks] – 1 =**

  9 {see feedback in document}
  −−notes {gaps, debates, or shortcomings in the literature} and provides a rationale
    for the study; and   **[10 marks]**
  −−provides section summaries.   **[5 marks]**

- ☐ Theoretical/Conceptual framework: The conceptual framework draws on theory and research and **examines the relationship among constructs and ideas**. As such, it is the structure or heuristic that guides your research. In essence, the conceptual framework provides the theoretical and methodological bases for development of the study and analysis of findings. When appropriate, a graphic depiction of the model is included, **showing the relationships between concepts, ideas, or**

variables to be studied.

[20 marks] − 18 = 2{see document for feedback}

☐ Summary: A comprehensive synthesis of the literature review should complete this section. **[5 marks] − 4 = 1 {see document for feedback}**

Chapter 3: Research Methodology [out of 100] − 15 = 85

☐ Introduction: The introduction restates the research purpose and describes the organization of the chapter. **[5 marks]**

☐ Research Design: rationale for their suitability regarding addressing the research questions, and citing appropriate methodological literature.

[5 marks]

☐ *Data collection methods:* This section describes and justifies all data collection methods, tools, instruments, and procedures, including how, when, where, and by whom data were collected. **[10 marks] – 2 {how will you collect participant's feedback}**

☐

☐ Software & Technology Related Design **[20 marks] – 3 {see document for feedback}**

☐ Comprehensive Experiment Framework **[15 marks] - 1**

☐ Data Analysis Methods **[15 marks] - 10**

☐ Research Validation **[15 marks] - 1**

☐ Assumptions of the Study **[5 marks]**

☐ Limitations of the Study **[5 marks]**

☐ Summary: A comprehensive summary overview covers all the sections of this chapter, recapping and highlighting all the important points. Discussion is concise and precise. **[5 marks]**

Chapter 4: Research Findings [100]

Prepared by Dr. Richard Pyne, Professor, Faculty of Applied Science & Technology, Sheridan College

- Introduction: The introduction provides a brief summary of and rationale for how data were analyzed. It describes the organization of the chapter according to research questions, conceptual framework, or thematic categories. **[5 marks]**

- Software Development & Testing Strategy **[35 marks]**

   (Proof of concepts use cases incomplete, not implemented)

- Data Analysis **[35 marks]**
   (Injury Prediction Results not synthesized to present injury profile report and recommendation)

- Report Findings: Present findings in relation to research question **[20 marks]**

   (Research Findings inconclusive based on the research question)

- Summary: This section explains in summary form what the chapter has discovered, and also prepares the reader for the chapter to follow. **[5 marks]**

Chapter 5: Conclusions, Discussion, and Suggestions for Future Research [/100]

- Introduction: The introduction provides an overview of the chapter's organization and content. **[5 marks]**

- Discussion: This section provides an in-depth interpretation, analysis, and synthesis of the results/findings **[40 marks]**

- Conclusion: Conclusions are not the same as findings; neither are conclusions the same as interpretations. Rather, conclusions are essentially conclusive statements of what you now know, having done this research that you did not know before.
   [35 marks]

- Recommendations are actionable; that is, they suggest implications for policy and practice based on the findings, providing specific action plans and next steps.
   [20 marks]

Thesis Draft Manuscript

Section	Maximum	Actual
Abstract / Front / Back Matters		
Chapter 1 : Introduction	5	
Chapter 2 : Literature review	5	

Chapter 3 : Methodology	**15**	
Chapter 4: Findings	**15**	
Chapter 5: Conclusion	**10**	
Total	**50**	
% Score for Thesis Proposal Draft Manuscript		