

Thesis Title

Sourav Garg

May 7, 2017

1 Introduction

1.1 Motivation

- Start with practical applications that motivate the research problem to be solved with the PhD thesis.
- Some examples of such applications in a broader perspective.
- Gradually converge to the exact research problem to be solved.
- Some examples of potential practical applications of the solution that will be developed with the proposed research work.
- Why is it important to solve this research problem?

2 Research Problem

2.1 Research Gap

- Briefly review the literature to highlight the research gap quoting the related work.
- Mention exactly where the research gap is.

2.2 Problem Statement

- Elaborate on the research problem after formally stating it.
- Describe the challenges related to the problem
- Highlight the key aspects of the problem

2.3 Research Questions

- State the research questions.
- Elaborate on each question.

3 Literature Review

3.1 Problem Overview

- Provide an overview of the research problem quoting the literature.

3.2 Related Work

- Describe in details the related body of work with respect to the research problem and the research questions.

4 Research Plan

4.1 Proposed Research

- Describe in details the research plan for the research problem and each of the research questions.

5 Work Progress

- Describe the work done till date with respect to the research problem and how it relates to the main objective
- Mention publications or submitted work (if any)

6 Timeline

7 Conclusion