

MAKERERE



UNIVERSITY

SCHOOL OF COMPUTING AND INFORMATICS
TECHNOLOGY

MUHWEZI JERALD 14/U/25199 214024819

May 8, 2017

RESEARCH METHODOLOGY
DATA COLLECTION CONCEPT

ON

TRAFFIC INFORMATION AND SHORTEST ROUTES IN KAMPALA UGANDA

1 Introduction

1.1 Problem Statement

In Uganda, like in any developing countries in Africa, the poor state of transport infrastructure is a looming problem which often leads to accidents and high cost of doing business. With the increase in the volume of private cars, taxis and human traffic and predominantly narrow roads, coupled with the limited space, there is a sharp increase in accidents and other fatal incidents which is a big threat to life. A 2014 incident report from police in Uganda, that covers a five-year period(2008-2012) on injury and fatality trends, indicates that the number of fatalities on Ugandan roads as a result of road accidents was at 5,145 from 3,951 across the same period.

1.2 Objectives

1.2.1 Main Objective

To develop a system that gathers information about traffic and suggests the traffic free and shortest route one can use from his or her current location to the destination.

1.2.2 Specific Objectives

1. To collect data on the current existing systems
2. To analyze the data collected and generate requirements
3. To design and implement the proposed system
4. To test and validate the system

References