**Ride Management Application for Bajajs in**

**Gondar City**



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# **CHAPTER ONE**

# **Project Proposal**

## **Introduction**

Currently in the city of Gondar transportation is one of the hot issues. More than the availability of transportation, the Cost and security of transport are major sources of concern. Meter taxi applications like Taxiye, Ride, and others present a solution to the security problem but they are very costly. Further such systems are inapplicable in the city of Gondar as a result of their costliness.

## **Statement of Problem**

The main reason for the inapplicableness of already existing systems like Taxiye or Zoble Ride is first they are developed with wide cities with low transportation availability signified by long lines of taxi queues in mind and are mostly developed for cars. And the even bigger problem is their initial count of around 90 birrs. In a city like Gondar, the longest transport journey costs a maximum of 30 birrs with a taxi and 35 birrs with a bajaj.

Since it's impractical to pay 90 birrs or more for a trip that costs 30 birrs or so and since only cars register meter taxi services in a city with a larger number of bajaj than cars that is one big problem area.

The second problem area is the availability and security of bajaj transport, cost of a private contract driver bajaj costs a minimum of 100 birrs and even that is not readily available. They are signified by a large variance in cost between drivers and a low sense of security in passengers as a result of the current rise in the number of criminal activities.

## **Project objectives**

## General Objective

The general objective of the project is to develop a system that communicates with bajaj drivers and passengers providing availability at the exact time and place of need and at a cost that is acceptable to both parties.

## Specific Objective

The specific objectives the project aims to achieve and meet are the following

* Collect data, analyze, design system requirements and identify problems in the existing systems in detail
* Design a new system that solves the identified problems
* Design an easy-to-use and responsive user interface that allows users to track details of their orders and travel information
* Create a backend store that stores the users’(driver and passenger) information
* Evaluate the system

## **Scope of the System**

The various activities performed by the system are; it allows for bajaj drivers to register their services, users to create an account and register to use the services, an interface to select start and destination, and a payment page that shows the travel details and cost of the travel according to system fare agreed to by both parties.

The other function provided by the system is for frequent users to keep a list of favorite locations and frequently traveled places for selection.

## **Limitations of System**

The system does not provide an electronic payment system and follows cash on delivery of service model. This limitation is currently not addressed because the crediting system is a large system on its own or it requires the implementation of banking contracts. This can be addressed in future improvements and updates.

## **Significance of Project**

After the completion of the project, the system developed will provide the listed important services to the following parties:

For Bajaj drivers:

* Solve the availability problem of passengers
* Provide places where their services are required
* Ensure their security
* Provide means to save fuel consumption
* Provide means for work as a side job

For passengers:

* Make bajaj readily available when the need arises
* Ensure their security
* Removes the need to stand by the side of the road and wait for bajaj
* Pick their start and finish location and know how much it cost beforehand

## **Feasibility Study**

# **CHAPTER TWO**