**Parcel Delivery**

**Software Requirement Specification**

**INTRODUCTION:**

Parcel Delivery is the delivery management system which allows for sending the couriers from one place to another place. It allows for the customers to buy any things and deliver that using the courier management system. It also helps to provide the solutions for better tracking of the parcel delivery and provide the proof at the time of the delivery of the courier so that there will be no chance of damage. It also takes the feedback of the customer at each end inorder to improve their delivery options and deliver the item within the time provided.

The main purpose of the Software Requirements Specification document is to maintain all the functions and the specifications of ‘Courier Management

System’. Besides it contains detailed descriptions of all the requirements

Specified.

**INTENDED AUDIENCE AND READING SUGGESTIONS**

This intended audience of this document includes all stakeholders of CMS

project who are supposed to review and sign-off this document. The primary

stakeholders of the system include registered users, guest users,

administrator, pickup staff, delivery staff etc. The ready should have the basic knowledge about the delivery system and identify where the parcel is there.

**PROJECT SCOPE**

The project named ‘Parcel Delivery System’ aims at implementing a

software system that would manage the essential activities of any courier

company and to maintain their details systematically. The traditional manual

methods of calculation of rate of consignment, creating periodical reports,

billing etc are made easier, faster and accurate in the proposed system. The

system shall allow the user to login from anywhere, track their consignment,

complaint about their consignment if any etc. The system also shall enable

administrator to generate periodical reports, modify details, and manage

complaints. Various functions like pickup, delivery, consignment rate

calculation etc. are also included in the system. It also enables the sending the messages to the customer regarding their project delivery and time to time feedback of the delivery. The ultimate aim is to ensure

the smooth and efficient functioning of the courier company by managing its

resources and utilities effectively

**TECHNOLOGIES TO BE USED**

* HTML
* JSP
* Javascript
* Java 1.6

**TOOLS TO BE USED**

* Eclipse IDE (Integrated Development Environment)
* Rational Rose tool (for developing UML Patterns)

**PRODUCT PERSPECTIVE**

Parcel Delivery System is independent and totally self. The Parcel Delivery System is an application which is totally customizable and can be used by any courier company with minimal configuration changes.

**PRODUCT FUNCTIONS**

The project aims at developing interactive software based system that would

almost completely automate the essential processes of courier management

system. The various functionalities to be dealt by system are classified into

different modules.

The proposed software shall have the following modules or functions:

* Booking Module
* Login Module
* Complaint management Module
* Report Module
* Pickup Module
* Delivery Module
* Maintenance Module
* Consignment tracking module
* FeedBack Module

**USER CHARACTERISTICS**

Parcel Delivery System is a web based online data entry and display system. All users interact with the system using user friendly Graphical User Interfaces (GUI). The formats of various GUIs like screens, web pages and reports of the system shall be furnished in the design document

**HARDWARE INTERFACE**

We are using the "Positioning and Tracking Sensors” for tracking each place wherever our consignment is travelling.

**SOFTWARE INTERFACE**

* Parcel Delivery system should integrate online payment interface to

enable online transactions using net banking/debit card/credit card.

* We are going to use Survey Sparrow Software for implementing the feedback option

**CONSTRAINTS** :

a. Regulatory Policies: There are no regulatory policies.

b. Hardware Limitations: There are no hardware limitations.

c. Interfaces to other application: An external interface for online bill

payment is provided.

d. Parallel operations: There are no parallel operations.

e. Audit Functions: There shall be no audit functions.

f. Control Functions: There shall be no control functions.

g. Safety and Security Considerations: The password and a valid

username are the security issues. Data protection shall be satisfied by

the backup process at the server side.

h. Reliability Requirements: Total number of bugs in the system shall

not exceed 1% of the total line number of code, except connection

reliability which is out of range.

i. Criticality of the Application: The server applications shall be

available 365 days.