



KG COLLEGE OF ARTS AND SCIENCE

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KGiSL Campus, Saravanampatti, Coimbatore – 641 035

Project Report

Smart Parcel Delivery Network

Submitted to Bharathiar University in partial fulfillment of the requirements for the award of the degree of

Bachelor of Computer Science

Submitted by
Sharan M
(2222K3023)

Under the Supervision and Guidance of

K.Chinnaraju, M.C.A., M.Phil., (Ph.D.,)

Assistant Professor

Department of Computer Science

March 2025

CERTIFICATE

CERTIFICATE

This is to certify that the project entitled **Smart Parcel Delivery Network** submitted to Bharathiar University in partial fulfillment for the award of the degree of Bachelor of Computer Science is a record of original work done by **Sharan M(2222K3023)** during the period of study in **KG College of Arts and Science** under the supervision of **K.Chinnaraju, Assistant Professor**, Department of Computer Science.

Place: Coimbatore

Date:

Signature of the Guide

Signature of the HoD

(College Seal)

Submitted for the Viva-Voce Examination held on _____

Internal Examiner

External Examiner

DECLARATION

DECLARATION

I declare that the work which is being presented in this project report entitled **Smart Parcel Delivery Network**, submitted to the Department of Computer Science, KG College of Arts and Science, Saravanampatti, Coimbatore for the award of the degree of Bachelor of Computer Science of the Bharathiar University, is an authentic record of my work carried out under the supervision and guidance of **K.Chinnaraju, M.C.A., M.Phil., (Ph.D.)** I have not plagiarized or submitted the same work for the award of any other degree.

March 2025

Coimbatore

(Sharan M)

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- Sharan M

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SYNOPSIS

Smart Parcel Delivery Network is a dedicated web-based platform designed to bridge the gap between parcel senders and travelers willing to deliver parcels along their routes. The platform provides an alternative to traditional courier services by utilizing travelers already on the move, enabling senders to avoid high delivery costs while allowing travelers to earn money for carrying parcels.

The current parcel delivery system relies heavily on established courier services, which can be expensive, time-consuming, and often lack flexibility. Many individuals travel daily between cities and regions, creating an opportunity to optimize unused capacity in their journeys. However, no structured mechanism exists to connect travelers with parcel senders efficiently.

Smart Parcel Delivery Network aims to solve this issue by offering a service where senders can post parcel details, set a delivery price, and match with travelers heading in the same direction. Travelers can browse available parcels, reserve them, and complete deliveries while keeping track of the process through real-time updates.

The platform ensures transparency and trust through an escrow-based payment system, where the sender deposits the payment, and the traveler receives it only after the parcel is successfully delivered and confirmed by the receiver. Additionally, features like real-time tracking, secure authentication, and route-based filtering enhance the overall user experience.

With the increasing use of mobile and web applications, Smart Parcel Delivery Network offers a seamless, user-friendly interface that allows senders and travelers to interact efficiently. By leveraging technology and optimizing existing travel patterns, the platform presents a cost-effective, smart, and reliable solution for parcel delivery.