ANDROID APPLICATION DEVELOPMENT

A SYNOPSIS OF UNIVERSITY PROJECT

Submitted by

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Under the guidance of

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Title of the Project: Logistics Management Application

Abstract:

Logistics is one of the most important and complex part of any business. Effectively organized logistics is of paramount importance in any small scale or large scale business. It includes transportation, shipping, receiving, storage and managing every aspects of supply chain. This application lets one constructively manage the logistics.

Rationale:

In today's competitive business environment, getting the correct products to the right place at the right time via the most cost-effective manner is paramount for one's business' success. To stay ahead, logistics professionals are using logistics and supply chain mobile applications as must-have tools for operational excellence. Aligning their business with the application will help them keep track of various business activities and increase productivity.

This application helps logistics professionals achieve every business process from tracking inventory and shipments, books meetings with clients, to tracking tasks and projects. By never losing touch with one's customer, one is able to collaborate as well as better tracking and responding to cases, allowing you to maintain and build stronger customer relationships.

Objectives:

Achieve successful management of logistics that is concerned with getting the right product in the right quantity in the right condition at the right place at the right time to the right customer and at the right price.

Requirements:

- **Software Requirements:**
  1. Android Studio
  2. Java Environment
  3. SQL Server Apache

- **Hardware Requirements:**
    1. 8 GB RAM
    2. 64-bit Processor

Methodology/ Planning of work:

The three panels are: Admin, Customer and Driver Panels.

1. Admin Panel contains the following features:
    1. Login
    2. Add Trucks
    3. Add Drivers
    4. View Truck Location Updates

2. Driver Panel contains the following features:
    1. Login
    2. View Booking Details
    3. Update Location

3. Customer Panel contains the following features:
    1. Registration
    2. Login
    3. View Trucks
    4. Book Trucks
    5. Location Update

Expected outcomes:

Logistics management is successfully implemented with the following features:

- 1. Admin can add trucks, add and assign drivers, view booking, view rating and view updated location.
- 2. Driver can view the assigned bookings and update the location.
- 3. User can make bookings, view the updated locations and give ratings accordingly.

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