K.L.E. SOCIETY'S
CHIDANAND B. KORE POLYTECHNIC, CHIKODI-591201

District : Belagavi

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
2024-2025

A Internship Report On

OJT 1 – HOSPITAL MANAGEMENT SYSTEM

OJT 2 – EXPENSE TRACKER APP

In partial fulfilment for the award of the diploma of

DIPLOMA IN COMPUTER SCIENCE AND ENGINEERING

SUBMITTED BY

Mr. OMKAR KHOT **DTE REG : 339CS22035**

Under the guidance of

Mr. Bhushan Dongare

Designation - Full Stack Developer,
Zeel Code Labs LLP, Belagavi

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STUDENT DECLARATION

We, **Mr. OMKAR BALU KHOT** A Sixth-Semester Diploma in Computer Science and Engineering students of **K.L.E Society's Chidanand B. Kore Polytechnic, Chikodi**. Hereby declare that the work entitled **"Hospital Management System & Expense Tracker App"** has been carried out independently by us under the guidance **Mr. Bhushan Dongare**, **Designation - Full Stack Developer**, **Zeel Code Labs LLP, Belagavi.** we further declare that the work reported in this Internship has not been submitted and will be submitted in part or full for the award of any after diploma or degree in this institute or any other institute or university.

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CERTIFICATE

This is to certify that **Mr. Omkar Khot** of **K.L.E's C. B. Kore Polytechnic, Chikodi** has successfully completed the Internship of 640 hours at **Zeel Code Labs** in **Full Stack Development** from **18th December 2024** to **28th March 2025.**

During the internship, he was found to be receptive, sincere, and hardworking and dedicated towards tasks assigned to him.

We wish him all the best and success in all future endeavors.

Thanks & Regards,

Bhushan Dongare
(Co. Founder)

ACKNOWLEDGEMENTS

I would like to express my sincere gratitude to all those who have supported and guided me throughout the successful completion of this Internship.

First and foremost, I would like to thank Prof. DARSHANKUMAR D. BILLUR, Principal of K.L.E. SOCIETY'S C.B. KORE POLYTECHNIC CHIKODI-591201, for providing the necessary facilities and a motivating environment to carry out this work.

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I would also like to thank all the faculty members and staff of the ZEEL CODE LABS LLP, BELAGAVI. for their help and cooperation throughout the duration of this Internship.

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Last but not the least, I am deeply thankful to my family and friends for their unwavering support, patience, and encouragement during every stage of this journey.

EXECUTIVE SUMMARY

On Job Training1: Hospital Management System

The **Hospital Management System (HMS)** is a comprehensive software application designed to streamline the day-to-day operations of hospitals and healthcare centers. This system automates key administrative and medical functions such as patient registration, appointment scheduling, doctor and staff management, billing, pharmacy management, and report generation.

The primary goal of the HMS is to enhance the efficiency, accuracy, and accessibility of healthcare services. It eliminates the need for manual record-keeping and reduces the chances of human error by digitizing patient records and hospital workflows. The system provides role-based access for administrators, doctors, nurses, receptionists, and lab technicians, ensuring that each user has access only to the relevant modules.

By integrating all departments—such as OPD, IPD, pharmacy, laboratory, and billing—into a single platform, the HMS ensures smooth coordination, real-time data updates, and better decision-making. Patients benefit through faster services, online appointment booking, and easy access to medical history and reports.

This project aims to deliver a user-friendly, secure, and scalable hospital management solution that improves patient care, reduces operational costs, and supports the digital transformation of healthcare institutions.

On Job Training1: Expense Tracker

The **Expense Tracker System** is a digital tool designed to help users efficiently manage and monitor their personal or business finances. The main objective of this project is to provide a user-friendly platform where individuals can record their income and expenses, categorize transactions, and analyze their financial behavior over time.

This system allows users to add, edit, and delete transactions, set monthly budgets, and generate reports and summaries to track their spending patterns. With intuitive dashboards and real-time data updates, users can visualize their financial status through charts and graphs, promoting better financial decision-making.

The Expense Tracker supports features such as daily/weekly/monthly expense tracking, category-wise spending analysis, and optional reminders for bill payments or budget limits. Whether accessed through a mobile app or a web interface, the system ensures data security, usability.

CONTENTS

[OJT – 1 HOSPITAL MANAGEMENT SYSTEM]

CONTENTS

[OJT – 2 EXPENSE TRACKER APP]

LIST OF FIGURES

LIST OF TABLES

ABBREVIATIONS / NOTATIONS / NOMENCLATURE

Abbreviation / Symbol	Full Form / Description
IoT	Internet of Things
API	Application Programming Interface
GUI	Graphical User Interface
CPU	Central Processing Unit
RAM	Random Access Memory
HTML	Hyper Text Markup Language
DFD	Data Flow Diagram
UML	Unified Modeling Language
DBMS	Database Management System
SQL	Structured Query Language
HTTP	Hyper Text Transfer Protocol
IP	Internet Protocol
JSON	JavaScript Object Notation
Mbps	Megabits per second