PROJECT REPORT

Project Title: Online Food Delivery Application

Company Name: UCT

Intern Name: Janani J

Domain: Full Stack Development

1. Background of the Project

With the rapid growth of online services, food delivery platforms have become an essential part of modern urban life. This project is developed under UCT to address real-world challenges in food delivery systems.

2. Problem Statement and Relevance

The project focuses on solving issues like lack of real-time tracking and inefficient order coordination by providing a centralized food delivery platform.

3. Project Objectives

- Build a web-based food delivery system
- Enable restaurant onboarding and menu management
- Provide secure payments and live order tracking

4. System Design

The system follows a full-stack architecture with defined user roles such as Customer, Restaurant Owner, Delivery Partner, and Admin.

5. Technology Stack

Frontend: HTML, CSS
Backend: Java, PHP, Python
Database: MySQL
Tools: Google Maps API, Payment Gateway, GitHub

6. Implementation Details

Users can browse restaurants, place orders, make payments, and track deliveries. Restaurants manage menus and orders, while delivery partners handle pickups and drop-offs.

7. Results

A working prototype demonstrating full-stack development concepts was successfully developed. The system enabled seamless interaction between customers, restaurants, and delivery partners.

8. Learnings and Outcomes

Gained experience in full-stack development, database design, system architecture, and version control.

9. Conclusion

The project successfully meets its objectives and aligns with current industry requirements.

10. Future Enhancements

- Mobile application support
- AI-based food recommendations
- Loyalty programs