BENGAL COLLEGE OF ENGINEERING & TECHNOLOGY

STUDENT NAME	CLASS ROLL NO
SUMAN KUMAR RAWANI	12500222129
KAUSHIK SUMAN	12500222122
CHANDAN TIWARY	12500222124
RANJITKUMAR AHIR	125000222118

BRANCH-IT **YEAR- 4TH**

Project

“FOOD DELIVERY SYSTEM”

Group No =15

Place: Durgapur, West Bengal

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UNDER THE GUIDENCE OF

Mrs. Ranjanya Bose

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➢ Introduction

➢ **What is a Food Delivery System?**

A system for delivering food from restaurants or kitchens to customers.

- **To develop a user-friendly platform that connects customers, restaurants, and delivery agents.**

➢ Problem Statement

➢ Challenges in traditional food delivery:-

- Long wait times.
- Mismanagement of orders.
- Limited tracking capabilities.

➢ Objectives

- Build an efficient and user-friendly platform.
- Real-time tracking of orders.
- Integration of multiple restaurants and cuisines.
- Secure and multiple payment options.

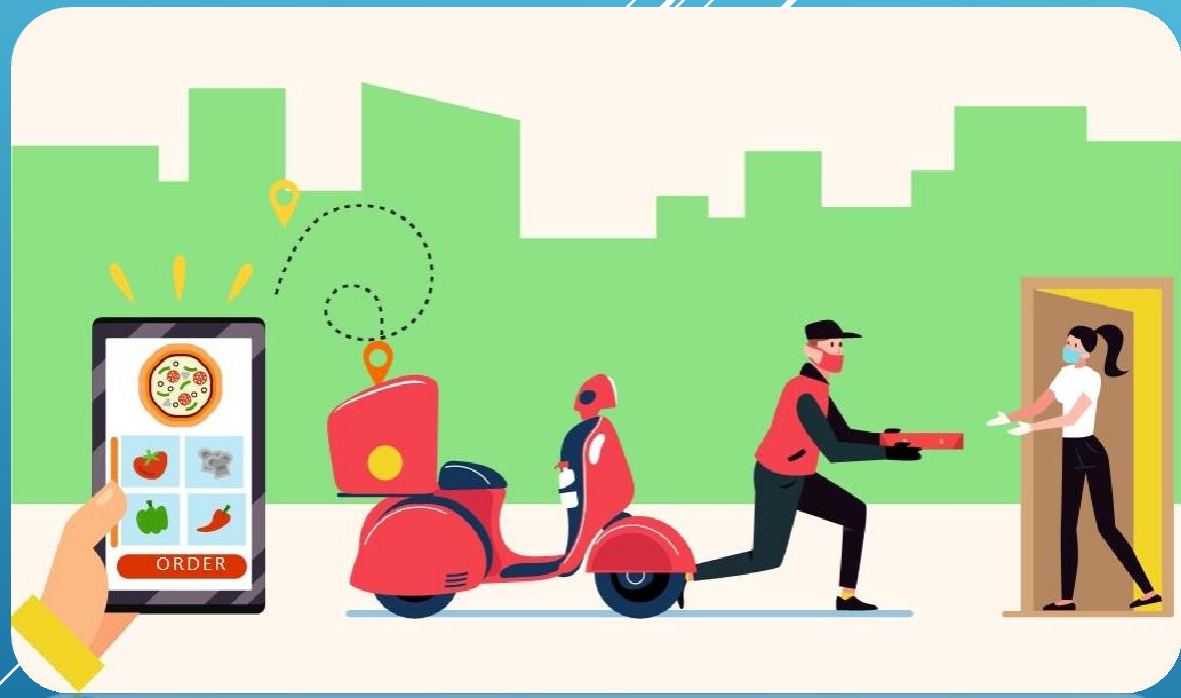
Eco-Friendly Deliveries:

•Integration of carbon-neutral or electric vehicle deliveries.

•Recyclable or biodegradable packaging options.

Community Integration:

•Partnership with local farmers or home cooks for fresh, affordable food options.



"Calorie Awareness:-

A Healthy Feature in Food Delivery"

➢ Problem Statement

•Consumers often lack information about the caloric and nutritional content of their food, leading to unhealthy choices.

•There is a growing demand for transparency in food delivery systems.

➢ Solution

•Include caloric and nutritional details for each dish in the app.

➢ Benefits

•Promotes healthy eating habits.

•Attracts health-conscious consumers.

•Enhances user trust through transparency.

➢ System Architecture

Components:-

- ✓ Customer Interface (App/Web)
- ✓ .Restaurant Interface (Order Management).
- ✓ Delivery Personnel Interface.Admin Dashboard.

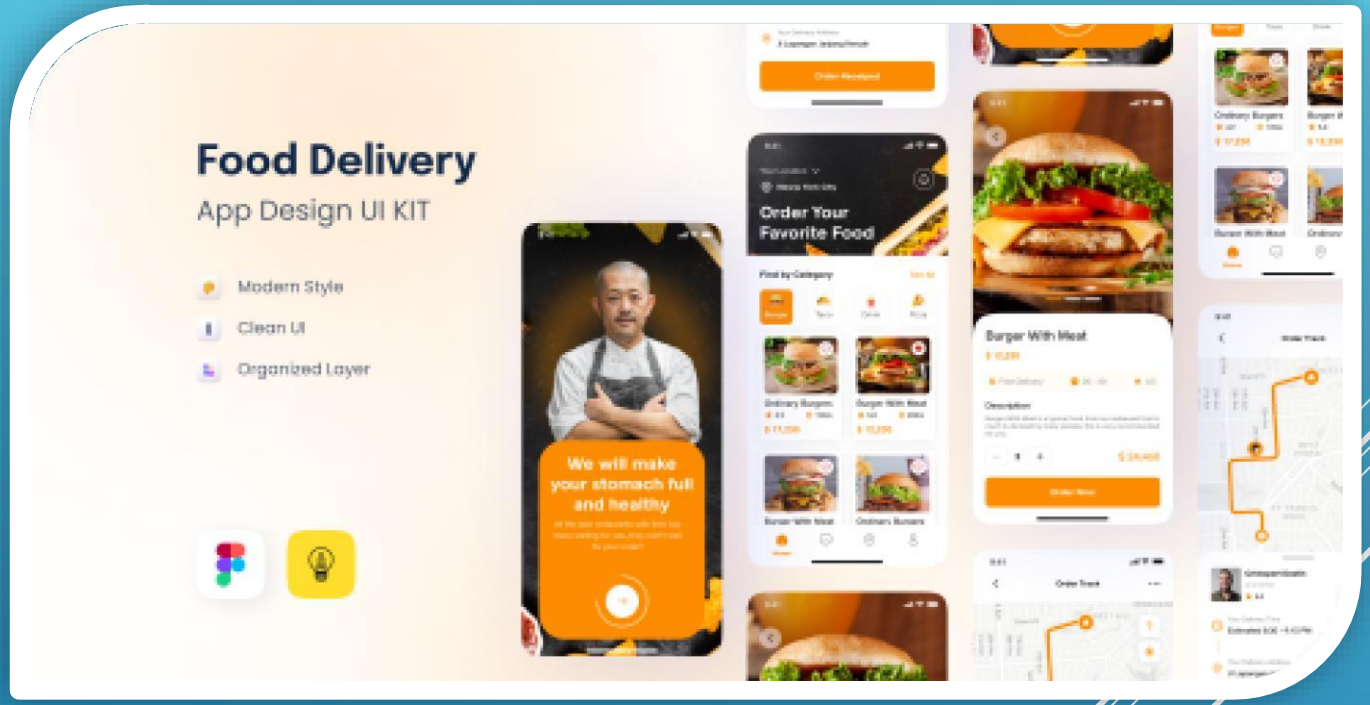
Work flow Diagram:-

Customer places an order → Restaurant confirms → Delivery assigned → Customer receives order.

➢Features

For Customers:

- Browse menus.
- Place and track orders
- Payment options (Cash, Card, Wallets).
- Review and feedback.



For Restaurants:

- :Order management dashboard.
- Menu updates
- .Sales analytics.

For Admin:

- User management.
- Data analytics.
- System monitoring.

➢ Technologies Used

•**Frontend:** HTML, CSS, JavaScript, React
Backend: Java/Spring Boot.
•**Database:** MySQL.
•**APIs:** Google Maps API for tracking.
•**Other Tools:** Firebase for notifications, Stripe/PayPal for payments

➢ Advantages

•Convenience for users.
•Reduced operational overhead for restaurants.
•Real-time order tracking.
•Insights through analytics.

➢Challenges and Solutions

- **Challenge:** High traffic management.
  Solution: Scalable cloud architecture.
- **Challenge:** Data security.
  Solution: Encryption and secure APIs

➢Future Scope

- Drone delivery integration.
- AI-powered order recommendations.
- Integration with smart home assistants.

Conclusion

- Summarize the purpose and benefits of the system.
- Highlight how the project addresses existing challenges in food delivery.

➢AI Integration

(AI Chatbot in Zosh Food)

- AI chatbot helps customers place orders.
- Answers FAQs like delivery time, menu, payment issues.
- Available 24/7
- Saves time for both users and admins.


Thank you