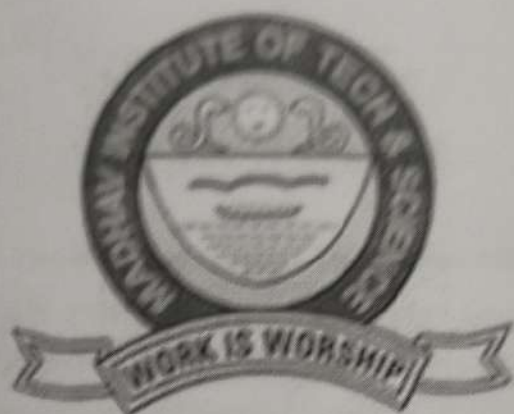


MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC A++ Institute Affiliated to RGPV, Bhopal)



Minor Project Report on

"FOOD DELIVERY SYSTEM"

Submitted By:

Harsh Vardhan Joshi

090110221035

Faculty Mentor:

ASST.PROF:-Vinay Gupta

Submitted to:

DEPARTMENT OF CENTER OF INTERNET OF THINGS

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE GWALIOR

474005 (MP) est. 1957

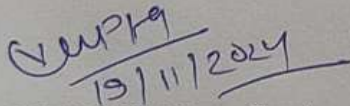
AUGUST-DECEMBER 2024

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC A++ Institute Affiliated to RGPV, Bhopal)

CERTIFICATE

This is certified that **Harsh Vardhan Joshi** (090110221035) has submitted the project report titled **FOOD DELIVERY SYSTEM** under the mentorship of **Vinay Gupta**, in partial fulfillment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.


19/11/2024

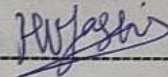
ASST PROF Vinay Gupta
Faculty Mentor
Center Of Internet Of Things

DECLARATION BY THE CANDIDATE

I hereby declare that the work entitled "Food Delivery System" is my work, conducted under the supervision of Prof. Vinay Gupta,

Assistant Professor, during the session August - December 2024. The report submitted by me is a record of bonafide work carried out by me.

I further declare that the work reported in this report has not been submitted and will not be submitted, either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university.



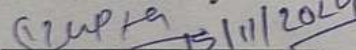
Harshvardhan Joshi
090110221035
B.Tech. V Sem

Date:

Place: Gwalior

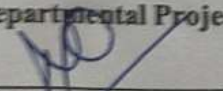
This is to certify that the above statement made by the candidates is correct to the best of my knowledge and belief.

Guided By:



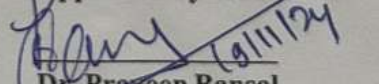
Prof. Vinay Gupta
Assistant Professor
Centre for Internet of Things
MITS, Gwalior

Departmental Project Coordinator



Dr Nookla Venu
Assistant Professor
Centre for Internet of Things
MITS, Gwalior

Approved by HoD



Dr. Praveen Bansal
Assistant Professor
Centre for Internet of Things
MITS, Gwalior

ACKNOWLEDGEMENT

The full semester project has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology and Science** to allow me to continue my disciplinary/interdisciplinary project as a curriculum requirement, under the provisions of the Flexible Curriculum Scheme (based on the AICTE Model Curriculum 2018), approved by the Academic Council of the institute. I extend my gratitude to the Director of the institute, **Dr. R. K. Pandit** and Dean Academics, **Dr. Manjaree Pandit** for this.

I would sincerely like to thank my department, **Department of Center of Internet of Things**, for allowing me to explore this project. I humbly thank **Dr. Praveen Bansal**, Professor and Head, Department of Center Of Internet Of Things, for his continued support during the course of this engagement, which eased the process and formalities involved.

I am sincerely thankful to my faculty mentors. I am grateful to the guidance of **Winay Gupta**, Department of IOE, for his continued support and guidance throughout the project. I am also very thankful to the faculty and staff of the department.


Harsh Vardhan Joshi

090110221035

3rd Year,
Center Of Internet Of Things

ABSTRACT

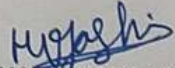
The **Online Food Delivery System** project aims to create a robust and efficient database management system to support the operations of an online platform facilitating food ordering and delivery. This system involves the management of user accounts, restaurant details, menu items, orders, and related transactions. The project focuses on providing a seamless and user-friendly experience for customers to browse restaurant menus, place orders, and track deliveries. Additionally, it offers an organized structure for restaurants to manage their menus and fulfill customer orders promptly. The project's database is designed to ensure data integrity, support scalability, and enhance overall system performance.

PLAGIARISM CHECK CERTIFICATE

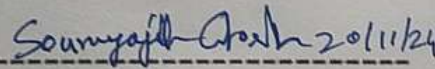
This is to certify that I/we, a student of B.Tech. in Internet of Things (IOT) have checked my complete report entitled "FOOD DELIVERY SYSTEM" for similarity/plagiarism using the "Turnitin" software available in the institute.

This is to certify that the similarity in my report is found to be 7% which is within the specified limit (20%).

The full plagiarism report along with the summary is enclosed.


HARSH VARDHAN JOSHI
090110221035

Checked & Approved By:

 20/11/24

Dr. Soumyajit Ghosh
Assistant Professor
Centre for Internet of
ThingsMITS, Gwalior

PAPER NAME

SBMP DBMS skill (1) (1).pdf

AUTHOR

S G

WORD COUNT

747 Words

CHARACTER COUNT

4527 Characters

PAGE COUNT

8 Pages

FILE SIZE

441.3KB

SUBMISSION DATE

Nov 19, 2024 3:03 PM GMT+5:30

REPORT DATE

Nov 19, 2024 3:04 PM GMT+5:30

● 7% Overall Similarity

The combined total of all matches, including overlapping sources, for each database.

- 2% Internet database
- 0% Publications database
- Crossref database
- Crossref Posted Content database
- 7% Submitted Works database

● Excluded from Similarity Report

- Bibliographic material
- Small Matches (Less than 10 words)

● 7% Overall Similarity

Top sources found in the following databases:

- 2% Internet database
- 0% Publications database
- Crossref database
- Crossref Posted Content database
- 7% Submitted Works database

TOP SOURCES

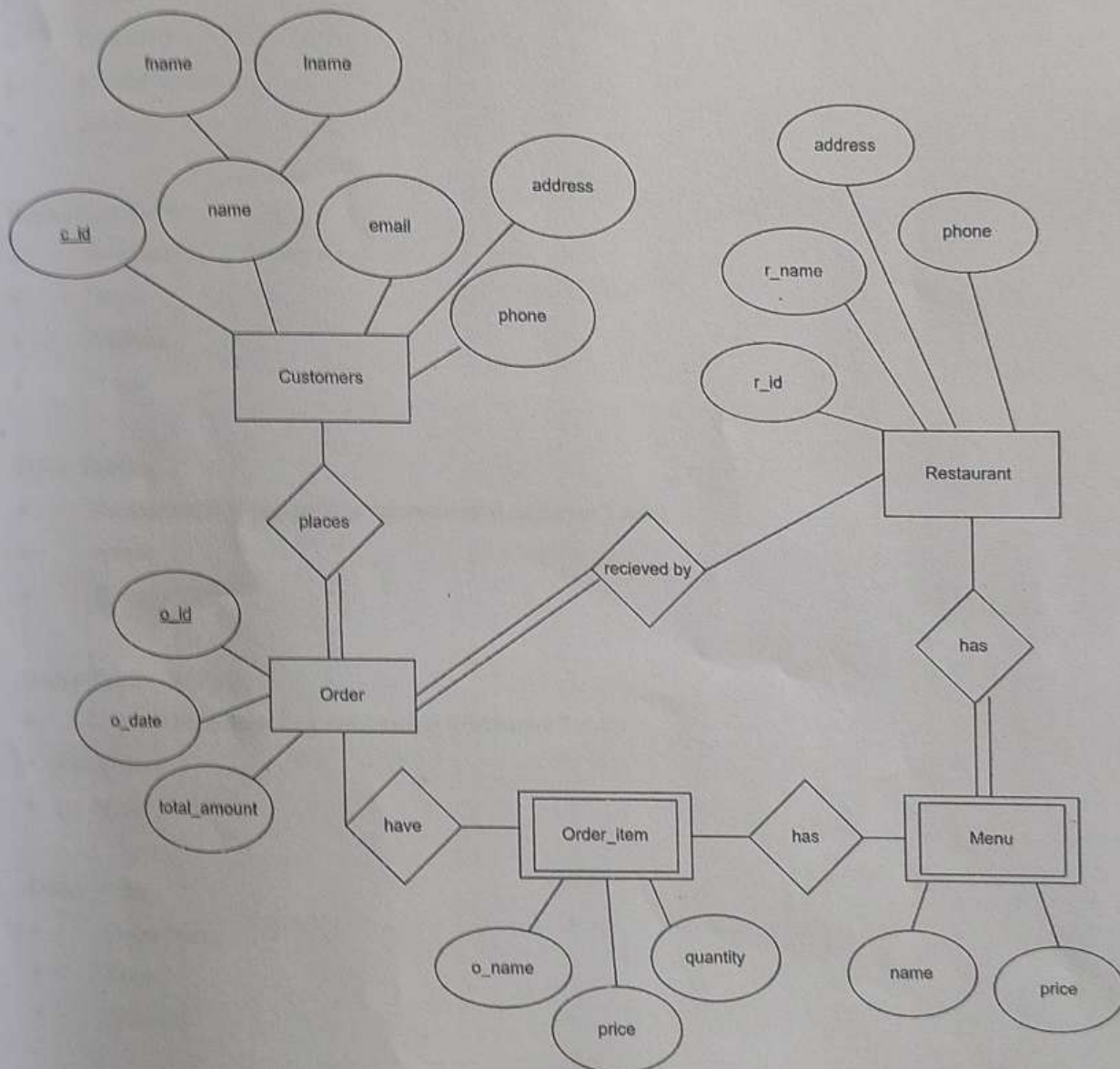
The sources with the highest number of matches within the submission. Overlapping sources will not be displayed.

1	web.mitsgwalior.in	Internet	2%
2	Technological Institute of the Philippines on 2023-10-24	Submitted works	2%
3	European University of Lefke on 2024-06-08	Submitted works	2%
4	Trine University on 2024-04-27	Submitted works	1%

TABLE OF CONTENTS

S. No.	Title	Page No.
1	Introduction	6
2	E-R Diagram	7
3	Database Schema	8
4	Relationships	9
5	SQL Queries	10-11
6	Conclusion	12

E-R Diagram



Database Schema

Customer Table :

- CustomerID (Primary Key)
- FirstName
- LastName
- Email
- Password
- PhoneNumber
- Address

Restaurant Table:

- RestaurantID (Primary Key)
- Name
- Address
- Phone

Menu Table:

- RestaurantID (Foreign Key referencing Restaurant Table)
- Name
- Price

Order Table:

- OrderID (Foreign Key referencing Restaurant Table)
- ODate
- Total_Amount

Order_Item :

- Order Name
- Price
- Quantity

Relationships:

- Each user can place many orders (One-to-Many relationship between User and Order).
- Each restaurant can have many menu items (One-to-Many relationship between Restaurant and Menu).
- Each order can have many order items (One-to-Many relationship between Order and OrderItem).
- Each order item corresponds to one menu item (Many-to-One relationship between OrderItem and Menu).

SQL

1. Queries to create databases :

```
CREATE TABLE customers (
  customer_id INTEGER PRIMARY KEY,
  name VARCHAR(255),
  email VARCHAR(255),
  phone INTEGER,
  address VARCHAR(255)
);

CREATE TABLE restaurants(
  restaurant_id INTEGER PRIMARY KEY,
  name VARCHAR(255),
  email VARCHAR(255),
  phone INTEGER,
  address VARCHAR(255)
);

CREATE TABLE menus(
  menu_id INTEGER PRIMARY KEY,
  restaurant_id INTEGER,
  FOREIGN KEY(restaurant_id) REFERENCES restaurants(restaurant_id),
  item_name VARCHAR(255),
  price INTEGER,
  description VARCHAR(255)
);

CREATE TABLE orders (
  order_id INTEGER PRIMARY KEY,
  customer_id INTEGER,
  FOREIGN KEY(customer_id) REFERENCES customers(customer_id),
  restaurant_id INTEGER ,
  FOREIGN KEY(restaurant_id) REFERENCES restaurants(restaurant_id),
  order_date VARCHAR(255),
  total_amount INTEGER
);
```

2. Queries to retrieve all orders placed by a specific customer

```
SELECT * FROM Orders WHERE customer_id = 'customer_id';
```

3. Get details of the specific order using item

```
SELECT Orders.*, Order_Items.*, Menu.*  
FROM Orders  
JOIN Order_Items ON Orders.order_id = Order_Items.order_id  
JOIN Menu ON Order_Items.menu_id = Menu.menu_id  
WHERE Orders.order_id = 'order_id';
```

4. Find all restaurants and their menus

```
SELECT Restaurants.*, Menu.*  
FROM Restaurants  
JOIN Menu ON Restaurants.restaurant_id = Menu.restaurant_id;
```

CONCLUSION

In conclusion, the Online Food Delivery System project represents a comprehensive and well-structured database management system tailored to meet the dynamic demands of the modern food delivery industry. Through the development of this system, we have successfully addressed the key aspects of user experience, restaurant management, and data integrity.

The user-centric design ensures that customers can effortlessly navigate through a plethora of restaurant options, explore diverse menus, and seamlessly place orders. Simultaneously, restaurant owners benefit from an intuitive platform that enables them to efficiently manage their menus and process incoming orders in a timely manner.

The database schema, with its carefully defined relationships and constraints, establishes a foundation for data integrity and reliability. By enforcing these constraints, we mitigate the risk of inconsistencies and inaccuracies in the stored information, contributing to a more trustworthy and dependable system.

The emphasis on scalability ensures that the Online Food Delivery System can accommodate the evolving landscape of the food industry. As the system continues to grow, additional restaurants, menu items, and users can be seamlessly integrated without compromising performance, thereby future-proofing the platform.

In essence, the success of the Online Food Delivery System project lies in its ability to provide a user-friendly, efficient, and scalable solution to the challenges posed by the online food delivery industry. This project not only meets current industry standards but also sets the stage for future innovations and enhancements in the realm of digital food services.