GLA UNIVERTSITY, MATHURA

**TOPIC: MINI PROJECT SYNOPSIS ON
PIE-LICIOUS BAKERY**

Submitted by: **Submitted to:**

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DECLARATION

I the undersigned solemnly declare that the project report **PIE-LICIOUS BAKERY** is based on my team work carried out during the course of our study under the supervision of **Mrs. Ruchi Gupta, Technical Trainer, Department of Computer Science, GLA UNIVERSITY, MATHURA**. I assert the statements made and conclusions drawn are an outcome of my team research work. I further certify that the work contained in the report is original and has been done by me and my team under the general supervision of my supervisor. We have followed the guidelines provided by the university in writing the report. Whenever we have used materials like data, text from other sources, we have given due credit to them in the text of the report and giving their details in the references. The work has not been submitted to any other Institution for any other degree in this university or any other University of India or abroad.

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The problem statement:

The **Bakery Shop Management System** is a simple web-based application platform for bakery shops that can help them to manage their stocks and day-to-day transaction with their customers.

This automated platform was developed using PHP/OOP and MySQL Database. It allows the management to store their product stocks and has a POS Feature. The following were used to develop this user-friendly features and functionalities:

- **XAMPP v3.3.0** as my local webserver that has a **PHP Version 8.0.7**
- **PHP Language**
- **MySQL Database**
- **HTML**
- **CSS**
- **JavaScript**
- **jQuery**
- **Bootstrap v5 Framework**

ABOUT THE PROJECT:

This **Bakery Shop Management System in PHP and MySQL Database** is only accessible to the Bakery Shop's Management. The system requires user credentials in order for the management can access the data, features, and functionalities. It has 2 types of user roles which are the **Administrators** and **Cashiers**.

The **Administrator Users** are the ones who can manage the products, stocks, and categories. They also have the privilege to access and manage all the features and functionalities of what the system does.

The **Cashiers** are only allowed to manage transactions and list the sales report of their transactions. This has a Point of Sale feature to manage the shop's daily sales. It has also a feature that generates a printable receipt and date-wise sales report.

FEATURES:

Admin-Side

- **Login Page**

- **Home Page**
  - Summary
  - Inventory/Available Stocks List
  - Restock Products

- **Maintenance**
  - Add New Category
  - List All Categories
  - View Category Details
  - Update Category Details
  - Update Category Status
  - Delete Category

- **Manage Product**
  - Add New Product
  - List All Products
  - View Product Details
  - Update Product Details
  - Delete Product

- **Manage Stocks**
  - Add New Stock
  - List All Stocks
  - View Stock Details
  - Update Stock Details
  - Delete Stock

- **Point of Sale**

- **Generate Printable Receipt**

- **Generate Printable Date-wise Sales Report**

- **Manage User List (CRUD)**

- **Manage Account Credentials**

The Main Objective of the Project:

The bakery management system provides you with your bakery's data. Daily sales, staff, accounting, customer, delivery reports and more can be run on your bakery's POS system. Data comparison is another feature that will give you a better insight into your ways and methods. All information is on a single platform and can be accessed from anywhere. Next time you plan on introducing a new dessert, you'll know exactly how to market it given the past reports.

Details about the Hardware and the Software

System requirements-

Supported Operating System- Microsoft Windows 7/8/10/11

Software required – xampp, VS studio.

Implemented – Front-end and Back-end technologies.

Browser – Google Chrome

Hardware requirements –

For VS Studio - Minimum 4gb RAM, IDE, Minimum 2gb of disk spacefree

Processor – Intel i3 or above

Listing out Testing Technologies –

Frontend and backend-

Frontend-html,css,bootstrap.

Backend- php.

What contribution would the project make and where?

This project can help in learning methods like:

1. The Project will show Bakery products in different respective category .

2. The project is capable of generating bills.
3. It is free for use .
4. We are providing a convenient searching interface to search any Bakery item.
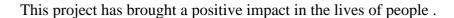5. We can also maintain the stocks of raw material available in the shop.

Scope for extension into a major project:

Bakery shop management system project allocates each order with a unique order id. It allows costumer to trace his/her order afterwards and the costumer can pay the bill online.

Working Methodology of the Project

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Conclusion:

This project has brought a positive impact in the lives of people .

It helps to save the time of costumers by generating bill fastly and more accurately .

It will also allow the owner of the shop to maintain the stocks of raw materials and daily product sales.

References:

1.) https://www.wikipedia.org/

2.) https://developers.google.com/

3.) https://www.w3schools.com/