**PF-Project Proposal**

**Title: Meal-Magic**

**The Ultimate Restaurant Management System**

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**CS1002-Programming Fundamentals**

Introduction:

Every industry is going through a digital revolution in this era, and the restaurant industry is no exception. The adoption of food delivery apps has paved the way for the restaurant sector to bloom. This project is concerned with a simple application program that is based on food management and labeling system, which is a suite of software that can transform the way we run and operate our food business. It is not only convenient to use for the end-user i.e., the customer but also feasible to implement and cost-effective.

Objectives:

1.To make an efficient program on “Automated Food Management System” in real-time using C language that caters to a real-world management system in order to achieve a greater degree of precision and completeness.

2. To provide a stupendous, user-friendly experience based on Electronic Data Interchange and standard ethical principles.

3. To enhance our programming expertise by testing a program’s operation against major and minor specifications in order to achieve excellence in our course.

Target Customers:

* Generation Z who prefers quick service and expects information at their fingertips
* Millennials prefer casual and fine dining and are most likely to look at a restaurant’s menu online over the onsite traditional fast-food menu.

Value Proposition:

This application fills the need of having a tool that can meet the unique requirements of customers’ demand, including invoice layouts, delivery notes, and specification reports.  Different users can have their own login credentials so that they are only allowed to access those parts of the system they are authorized to use.

Application Aims and Features:

This program aims to provide the following:

1. **Customer Engagement**: Through the easy-to-follow registration process, this program can easily help communicate and create brand awareness with new and existing customers. We can notify the customers about the specials, share updates, and indulge in attending to customer feedback.
2. **Convenient payment processing:**With the help of integrated payment gateways in this program, users can pay easily and rapidly. This eventually helps restaurants to reduce the time involved in physical payment processing.

### Online presence, reviews, and ratings:It can be a good medium to collect customer feedback and attend to it immediately. The reviews and ratings can help to identify the issues and resolve them with prompt responses.

### The program will include:

* Rewards and discount offer for registered and new customers.
* Log of credentials and previous orders (using concept of filing)
* Online and easy food ordering process using the limited and provided menu
* Redirection to Online Payments (using hyperlinks)
* Integration with social media
* Customer Feedback Portal