**PART-A Micro-Project Proposal**

**Title of Micro-Project: Pizza Delivery System in VB.NET.**

1. **Brief Introduction:**

Pizza delivery is a common scenario that can be simulated using VB.NET programming language. In this scenario, a customer places an order for a pizza, and the order is then delivered to the customer's address. To simulate this scenario, you would need to create a VB.NET program

Pizza delivery in VB.NET involves developing a software system that can manage the ordering, preparation, order summary, customer details can be saved, print order details and delivery of pizza to customers.

Overall, a successful pizza delivery system in VB.NET requires careful planning, thoughtful design, and rigorous testing to ensure that it can handle the demands of a busy pizza restaurant.

1. **Aim of the Micro-Project:**

To develop Pizza Delivery System in Visual Basic which will provide functionality to order pizza, generate a order summary and some other services

**3.0 Course Outcomes Addressed:**

1. Use Visual Studio IDE to design application
2. Develop GUI application using Form Controls and its events
3. Apply Object Oriented Concepts in GUI application

**4.0 Literature Review:**

"Online Pizza Ordering System" by Prof. A.V. Deshpande and Mr. Pritam S. Gaikwad: This paper describes the development of an online pizza ordering system using VB.NET. The system includes a user interface for placing orders, order processing and delivery management, and payment processing. The paper provides a detailed description of the system architecture and implementation

"Design and Implementation of Online Pizza Ordering System Using ASP.NET" by N.A. Abdullah and N.A. Mohamed: This paper presents a similar online pizza ordering system, but using ASP.NET instead of VB.NET. The system includes a user interface for ordering, order processing, and payment processing. The paper also includes a comparative analysis of the system's performance using different web server technologies**.**

**5.0 Proposed Methodology:**

* Develop the user interface: The user interface is critical to the success of the system, as it's the primary way users will interact with the system. It's essential to design a user-friendly interface that's easy to navigate and visually appealing.
* Develop the database: The database is the backbone of the system, and it's crucial to design and implement a database structure that's efficient and secure. This includes creating tables, relationships, and stored procedures.
* Implement the system modules: Once the user interface and database are developed, the next step is to implement the system modules, such as order processing, delivery management, and payment processing. It's important to test each module thoroughly to ensure that it's functioning correctly.
* Integrate the modules: After each module is tested, the modules need to be integrated to ensure that the system is functioning as a whole. It's important to test the integrated system thoroughly to identify any issues or bugs.

**6.0 Resources Required:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Name of Resource/Material** | **Specifications** | **Qty** | **Remarks** |
| **1.** | **Computer** | **OS:** Windows 11 (64 bit)  **Processor:** Intel i7 11th Generation  **RAM:** 16 GB | **1** |  |
| **2.** | **Software** | Visual Basic Studio |  |  |

**7.0 Action Plan:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No** | **Detail of Activity** | **Planned Start date** | **Planned Finish Date** | **Name of responsible team members** |
| **1.** | Data Collection |  |  |  |
| **2.** | Analysis |  |  |  |
| **3..** | Design |  |  |  |
| **4.** | Development (Program Coding) |  |  |  |
| **5.** | Report Writing |  |  |  |