PART-A Micro-Project Proposal.

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

1.0 Brief Introduction:

Pizza delivery is a common scenario that can be simulated using the 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

Online Pizza Delivery is a platform that helps order Pizza online. It provides customers with a convenient way to order pizza online and also helps customers to reach a wider variety. The online ordering system is one of its most important features. It provides customers with a user-friendly interface that allows them to browse menus, and place orders in real-time. The system also provides customers a convenient way to order pizza and receive it at their doorstep to log in we just need a valid Phone no. 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 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.

2.0 Aim of the Micro-Project:
- To develop Pizza Delivery System in Visual Basic which will provide the functionality to order pizza, generate an 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:

- Developing an efficient online ordering system requires the use of appropriate tools and technologies. VB.NET is a powerful programming language that can be used to develop an online pizza ordering system with a user-friendly interface.
- User Interface: The user interface is a critical component of any online ordering system. The interface should be intuitive and easy to use to provide a positive user experience. VB.NET provides developers with a range of tools to create an appealing and responsive user interface for the online pizza ordering system. The use of graphical elements such as menus, buttons, and images can enhance the user experience and simplify the ordering process.

- Database Management: The database management system is another essential component of an online pizza ordering system. VB.NET provides support for a wide range of databases, including MySQL, SQL Server, and Oracle. These databases can be used to store customer information, order details, and other data related to the online ordering system. VB.NET's robust database management tools allow for efficient data retrieval and manipulation.

- VB.NET is a powerful programming language that can be used to develop an efficient and user-friendly online pizza ordering system. By leveraging VB.NET's database management, and delivery system features, developers can create an online ordering system that provides an excellent customer experience and improves the overall efficiency of pizza delivery operations.

5.0 Proposed Methodology:

1. **Requirements Gathering:** The first step in developing an online pizza ordering system is to gather requirements for an online delivery system. This involves identifying the features and functionality required for the system, such as user registration, menu management, order placement, and delivery management.

2. **Database Design:** Database design is a critical component of the online pizza ordering system. This involves designing the database schema, creating tables, and defining relationships between them. The database design should also incorporate considerations such as data normalization, data integrity, and data security.

3. **User Interface Design:** User interface design is another critical component of the online pizza ordering system. This involves designing the user interface elements, such as menus, buttons, and forms, and defining the navigation flow between them. The user interface design should also incorporate considerations such as usability, accessibility, and responsiveness.

4. **Implementation:** The implementation phase involves developing the system using the VB.NET programming language. This involves writing code for the various system modules, such as user registration, menu management, order placement, and delivery management. The implementation should also incorporate considerations such as coding standards, code documentation, and testing.

5. **Testing and Debugging:** The testing and debugging phase involve testing the system for functionality, and performance. This involves creating test cases and scenarios and executing them to identify and fix any issues.

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	**1**	

7.0 Action Plan:

Sr. No	Detail of Activity	Planned Start date	Planned Finish Date	Name of responsible team members
1.	Data Collection			**Deore Samarthya Ravindra**
2.	Analysis			**Gangurde Suprabha Dinesh**
3.	Design			**Jain Ekta Vinod**
4.	Development (Program Coding)			**Makhija Dhruv Harish**
5.	Report Writing			**Patil Rasika Sunil**