**Name of Group:**

**Index No’s of the students: CS/2020/041**

**CS/2020/042**

**CS/2020/044**

**CS/2020/045**

**CS/2020/046**

**Title of Project:** Library Management System

**Project Proposal**: Library Management System

**1. Statement of Objectives**

**a. Introduction**

Our proposed project entails the development of a sophisticated Library Management System (LMS) using C#. This desktop application will revolutionize library operations, providing a seamless experience for both librarians and library staff.

**b. Project Goals and Objectives**

**Goal 1**: Create an reliable and user-friendly desktop application for efficient library resource management.

**Goal 2:** Implement comprehensive functionalities for cataloging and reporting to optimize library operations.

**Goal 3**: Ensure robust data security and integrity through advanced authentication and backup mechanisms.

**Objective 1**: Design an aesthetically pleasing and ergonomic user interface for enhanced usability.

**Objective 2**: Develop modules for cataloging, circulation, and reporting using C# programming.

**Objective 3:** Establish a reliable database management system to handle library resources and transactions seamlessly.

2. Scope Definition

**a. Scope of the Project**

Our project encompasses the development of a feature-rich desktop application in C# for library management. It will include modules for cataloging, circulation, user management, reporting, and administrative tasks, all accessible via a user-friendly desktop interface.

**b. Action Plan / Work Breakdown Structure**

Phase 1: Requirements Gathering and Analysis

Phase 2: System Design and Database Schema Development

Phase 3: Frontend Development (UI/UX)

Phase 4: Backend Development (Functionality Implementation)

Phase 5: Testing and Quality Assurance

Phase 6: Deployment and User Training

Phase 7: Maintenance and Support

**c. Itemized List of Deliverables**

- Software Requirements Specification (SRS) document

- Database schema design and implementation

- Fully functional desktop application with cataloging, circulation, and user management features

- Comprehensive testing documentation and reports

- User manuals, tutorials, and training materials

**d. Related Projects**

**e. Target Client/Customer**

The target clients for this project include educational institutions, public libraries, and private organizations seeking a robust desktop solution to automate and streamline their library operations effectively.

3. The Work Plan

Project Schedule (Gantt Chart)

4. Additional Information

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Signature of the group leader Date: …/…/2024

**Project Description Form (Project Proposal)**

**6. Details of project supervisor(s):**

Supervisor (Computer Staff)

Name

Designation

Comment: -

**Supervisor’s Signature …………………………………….**

**Date**: ………………………………….