CCP Project Proposal

Course: Programming Fundamentals. **(CT-175)**

Project Title:

Bank Service Management System.

Team Details

- **Section : B**
- **Team Name:** CodeCubed
- **Members:**
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Introduction / Problem Statement

In the modern world, banks need efficient systems to handle daily transactions. Manual work is slow and error-prone, so this project will simulate a computerized system to manage basic banking services such as account creation, transactions, ATM operations, and password security.

Objectives

The main objectives of this project are:

- To provide a simple, user-friendly banking system using the C language.
- To simulate real-world services like ATM usage, deposits, withdrawals, and account management.
- To allow secure login with password authentication.
- To include a help desk system that can guide users with common banking queries.

Scope / Features

The system will include the following features:

1. Account Management

- Add new account
- Delete account
- View all accounts (Admin only)

2. ATM Services

- Withdraw money
- Deposit money
- Check account balance
- Transfer money between accounts

- Mini statement (basic transaction history)

3. Security

- Password login for each account
- Change password option

4. Help Desk

- Simple AI-like module to answer FAQs (predefined questions/answers)

5. Admin Panel

- Admin login to view, delete, or reset accounts

6. Additional Features

- Interest calculation on savings
- Exit option with confirmation message

Tools / Language

- **Programming Language:** C
- **Development Environment:** Any C compiler (e.g., Code::Blocks, Turbo C, or GCC)

Expected Outcome

At the end of the project, we expect to have a functional **Bank Service Management System** that:

- Simulates real banking operations.
- Provides account management, secure transactions, and user support.
- Demonstrates the application of programming fundamentals concepts such as arrays, structures, functions, loops, and conditional statements.