Lab Experiment: 01 Lab
Title: Preparation of Project Idea/Proposal

1. Selected Project Title: Sonchoy –A Digital Ledger for Credit Management

2. Team Description:

Sl no	Roll	Name	Role
1	22234103259	Ashikur Rahman Chancol	Team Leader
2	22234103356	Shahadat Hossain Shakib	Researcher
3	22234103276	Takiul Islam Summon	Developer
4	22234103367	Moinul Islam Rehan	UI/UX Designer
5	22234103271	Mainul Wazid	Tester

3. Project Idea/ Proposal:

Problem Statement: In many local markets, shopkeepers and customers rely on handwritten registers or informal verbal agreements to track credit transactions. These manual records are often lost, damaged, or miscalculated, leading to confusion and financial disputes between shopkeepers and buyers .Additionally, shopkeepers struggle to track pending payments efficiently. There is no automated system to remind customers about due amounts, which often leads to delayed payments or financial loss for businesses. On the other hand, customers also find it difficult to track their outstanding dues and past transactions properly.

Our proposed solution, **Sonchoy**, will be a **digital ledger system** that will help shopkeepers and customers securely record, manage, and track their credit transactions with ease. By providing automated payment reminders, secure record-keeping, and an easy-to-use interface**,** this system will bring convenience, accuracy, and transparency to traditional credit-based transactions.

Motivation:

☐ To eliminate the risk of lost or damaged credit records and prevent financial losses due to missing or incorrect calculations.
☐ To help shopkeepers and customers track transactions more effectively through a digital solution that ensures transparency.
☐

To introduce an automated reminder system so that shopkeepers do not have to manually follow up on due payments.

☐ To provide a user-friendly mobile application that even small businesses and customers with minimal technical knowledge can use easily.

☐ To enhance financial security by ensuring all transactions are stored securely, preventing fraudulent disputes.

Who will use this software?

☐ Shopkeepers- small business owners, grocery stores, general shops.

☐ Customers- who purchase on credit and want to track their payments.

☐ Individuals- who lend or borrow money and need proper tracking.

4. My Role: As a **Researcher**

- Conducting research on existing digital ledger solutions and identifying key features.
- Gathering feedback from shopkeepers and customers on their needs.
- Analyzing security measures to protect sensitive financial data. ▪ Helping create documentation for the project.

5. Timeline (Gantt Chart for our Project):

Gantt Chart - Project Timeline (Feb 26 - April 14)