Credit Card Processing.

a) Problem Statement.

A credit card processing system is required to enable secure and efficient payment processing for merchants and customers. The current manual system is prone to errors, fraud and delays.

b) SRS.

1) Introduction

Purpose: This document aims to describe the requirements for a credit card processing.

Scope: The system will enable merchants to accept credit card payments online and offline. It will ensure payment processing and compliance with industry standards.

Overview: A comprehensive solution designed to streamline payment processing and enhance customer experience.

2) General description

The system will provide a secure payment gateway, fraud detection and prevention mechanisms and reporting capabilities.

3) Functional requirements.

The system will have features such as

- Payment gateway integration
- Fraud detection and prevention
- Transaction processing
- Reporting and customer support.

4) Interface requirements

The system will have a user-friendly interface for merchants and customers. It will have integration with different payment methods, POS systems and banking systems.

5) Performance requirements

The system will ensure fast response times, accurate processing and secure transactions. It will support high-volume transactions and ensure data integrity and confidentiality.

6) Design constraints.

The system will be designed using the latest technologies and comply with industry standards. It will be scalable, flexible and customizable to meet future requirements.

7) Non-functional attributes.

- The system should be reliable and available, 24/7.
- Ensure security, reliability and portability.
- Data security and integrity.
- System should be scalable to accomodate future growth.