

2) ★ Credit Card Processing System

→ Problem Statement - Develop a application with which manages credit card processing such as checking balance, transaction, security of payment.

→ Functional Requirement

(i) Validating Card Details

- System should validate Card, its expiry, remaining balance of account holder details.

(ii) Secure Pin Management

- PIN of Card should be verified from system database

(iii) Account Statement Update

- After successful transaction, account should be updated with this transaction and update remaining credit card limit

(iv) Checking Account Details

- Credit Card Holder can access system database for profile, credit limits, updation and other services.

→ Non Functional Requirements

(i) Performance

- Fast transaction & validation every time

(ii) Security

- Secure transactions with collect pin & payment gateway management

(iii) Reliability

- System should be reliable for transaction & Information every time

(iv) Scalability

Domain Requirements

- Government Rules & Regulations for transaction
- Support of different machines
- Other Hardware requirements

Design Constraints

- Software must be accessible for visually impaired user
- Proper Specification of Rules and Regulation

Preliminary Schedule and Budget

Time - within 6 months

Budget - Rs 500,000