CREDIT CARD PROCESSING SYSTEM

The demand for a Credit Card Management system stems from the intricate nature and scale of credit card activities in contemporary financial settings. This system simplifies application procedures, guarantees safe card usage and transactions, identifies and combats fraud, improves customer service, and offers vital data integrity, leading to heightened operation effectiveness and customer contentment.

1. Introduction :

1.1 Purpose : Outline the specs & regs of development of credit card processing system

1.2 Scope of the Document : Overall working & objectives of CCPS

1.3 Overview:

The CCPS is designed to facilitate the processing of transactions securely & efficiently. Centralised platform for merchants to accept payment through cards.

2. General Description :

• Authorization of credit card transactions in real time

• Settlement of transactions, funds & reciepts.

• Management of accounts, payment methods.

• Payment gateways, merchant service provider

3. Functional Requirements:
Authorization: Validate info, card no, date, cv, transactions.

Settlement: capture funds from authorized transactions.

Customer Management: Registration of new customers, updation.

Integration: Payment gateways
Compatibility w/ credit cards, debit cards, UPI.

4. Interface Requirements:
• User interface: Initiate & manage transactio
secure login & authentication.

• System interfaces: External payment gateway
secure communication protocols.

5. Performance Requirements:
• Response Time: Quick, minimal downtime, scalable architecture
• Reliability: Reliable transactions, fault tolerance.

6. Design Constraints:
Security: Encryption, compliance w/ PCI DSS
Compliance: Reliable requirements, regular audits

7. Non-functional attributes:
Scalability: Scale CCPS for growth in transaction
adapt to charging business cardsneeds.
Portability: Compatibility w/ different OS cloud
deployment options for flexibility.

8. Preliminary Schedule & Budget
• Estimated timeline : 9 months
• Budget : ₹ 5,00,000