## 2.7 SRS for Credit Card Processing System Software requirement for the card processing of the stateholders, with a clear understanding of the families, design constraints and overall goals of software. The purpose is to ensure all parties are alligned or expectations se requirements facilitating 9 emosther delapment process. 12 Scope of this downint This SRS dotails the objectives, features by address estimated development costs by timeling The system focuses on sewe & efficient transport Randling. 1.3 Overview parties all sidded mas sid boll 6.

The credit cord processing system aims to structure and enable secure transactions, including authorization, capture and reporting functionals

eneral description: ex objectives: Enable fast, secure payment processing.

ix characteristics: - Herchants, customers, finance personel
eatures: - secure payment gateway, transaction history, fraud detection. Benefits: Enhanced security, nedwood transaction times and better austomer brust, portance: Critical fox any business that processes

ments to maintain customer trust and comply
with regulations:

unctional Requirement:

ansaction Authorization: Natidate card info to enquire

and one available. ende available. Transfer funds: He transaction to transaction as fund Processing: Allow merichants to process refunds as necessary. orting: Tuovide transaction history of reporting or reconcilations iddetection: Honitar transactions for potentially fradulent adinity Herfare Requirement ver Interface: Merchant portal for managing transactions of settings API Interfaces: Securi APIs for transaction processing de reporting. of transactioning activities. Performance Requirements Atmost 99.99% optime to ensure the reliability. less than 0.01% of beamactions result in verous.

6. Design Constraints: a) Must be compatible with existing systems & post e) Must adhere to PCI-DSS security dandard, e) limited to specific encuption algorithms sensitive data. 7. Non-functional Attributes o) Reliability: - System must consistently busing without failure. .1 Portability: - Can be déployed on multiple plat (web, mobile). Data sorteguity: ensure accuracy of transaction. and prevent tampering. 8. Preliminary Schedule and Budget estimated development time: 4 months estimated Budget: \$100,000. A factor of anothernout watered Lord : Marchant portal for managing Course After for twomperson procession

Credit Card Processing Bafna Gold-6 wrs Coved Type Application austomer Reward Point Application no Naw string Application date type Address; string calculate-points() Type of Application Phoneno: Integer Update () id : Integer status () Status () type account() check Credit cared not eligible 19 08 Cardno Caved type verification office berethin Enploy date Application no Covedimi + check Approve application Annual fees epdate () Customer:id Uso odbers thought to 9 carditatus () Loufy 1 ...\* Ale Type Application Application Id Javach Bank Application type wood boursod ar Bank-name Application docts Bank address process () Availability 1 11. ... x incel) Wood As es cancel() toware soil Branch Name own 1.00\* Address isuel (ancel() Accounts payo Customer-name account\_no