ii) Credit Card Processing: 1. Project Description: The Credit cord Processing system is designed to facili ate secure transactions between businesses & customers It must allow users to perform payments, check transact history & provide goteways to process payments. 2. Problem Statement: With the rise of e-commerce & online payments, there ! a need for a secure & efficient system to process credit and payments and ensure froud detection, data security, smooth transactions etc. 3. System Requirements: 31. Functional Requirements: > User outhentication (admin, merchant, customer) > Credit cord ralidation > Transaction history of reporting. > Frond detection mechanisms 2 Payment integration of billing. 3.7 Non-Functional Requirements: > High security for credit cord data > Minimum docontine > Fast response times > Scalability 33. Domain Requisements? Antegration with frond detection systems. > Shpport for different currencies (international). > Abide to financial standards.

4. Design Constrainte: -> Strong encryption protocols (AES/RSA) -> Kimited choice of APIs oweing to wide acceptance - Database constraints due to high transaction volume - I Limited thorse of libraries for fraud detection -> Limited choice of protocole due to compatibility 5. Preliminary Chedule & Budget: 5.1. Preliminary Schedule: > Requirement Analysis: 2 weeks > System Design: 4 weeks > Development: 10 weeks > Testing: 3 weeks > Deployment: I week Total Duration: 20 weeks. 5.2. Preliminary Budget: > Development Team: \$60K > Hardware > Softmare Licensee: \$16k > Miscellaneone Costs: 45k Total Budget: \$80 k.