Stock Maintanence System 28/8/25 statement statement ports maintain stock records partially, delaiss in parting, delays in restocking. A stock paintoinence system is needed to automore maragement, ensure real-time ghock updates and reduce human errore, (1) pourant 1 Introduction M. Purpose The purpose of this document is to define the functional and non-functional requirements for stock maintanens System. This system will automate stack tracking, help businesses maintain optimal inventory wels 1.2 Slope. The sms will; · rack stock levels in warehouses Update inventory in real time during furtheres and sales henceate alerts for low stock and overstell. · Provide reposts. 1.3 Over view SUS will consist of inventory Module. Manage stock-categories suppliers.

. Automake stock deduction . Alerts and notifications · cremerate daily / weekly , stock repo : General Description system will be webbased with most a will are glore keeper, managers administrators pashboard for usles, APIs he integ · centralised IQL - based stock database · Ensure acuracy, security and real, synchronisation 3. Functional Requirements. . Add, updake and delete product de · Record purchase and sales transaction · Automatic aleats/ notifications for lo · Evenerate stock usage and sales reports · User authuntication with vote boused all

18 1 Majare Requirements , vell inhibaccs: Dashboard for shorekeeper and managers software, sac database for stock records Rest Apls for integration , pardware: Bascode scanner or KFID for product entry , communication: secure communication over HIPPS 5. Pajamance Requirements . Real time update of stock revels efter every bansaction · support 500+ concurrent cisers · Database should handle 50,000 & product records Afficiently ' Alests generated within 2 seconds. 6. Design Constraint · Must follow data security policies for business records. " Daily data backups "Should be deployable in both cloud platforms and on premise servers 7. Non Functional Attributes · Security: The bansactions happening must be secure · Intuitive Interface ' Automated backup and recovery system

· the market prices and stock values
reliable

· User authentication

S. Preliminary Schedule and Budget

week 1-2: Requirement gathering and

week 3-5: Development of patabase

week 6-3: Testing

Budget:

Pevelopment costs - \$\frac{7}{2},00,000

Haldware Infrastruture - = 4,00,000 Security compliance - 2 2,00,00 Testing & Maintanence - 25,00,000 Total = 23,00,000