8 Preliminary Scholuler and budget · Kotimaled timeline : 9 months - Budget : \$ 5,00,000. Elbrary Management System estones Problem statement: A library management system should automate circulation, pation management. and presource tracking enhancing operation rdebit efficiency user experience. Introduction: 11 Puspose: The document outlines the nequisionents and specifications of a library management system. saction It has acts as a guide to developer and millines My Seemle functionalities, objectives and constraints. 1.2: Scope of the document: The document of a comprehensive library management system including neporting functionalities. 1.3: Every in The system is designed to streamline -tolesanse operations such as body asquisition, adaloging, circulation etc. PEIPSS General description: - with cater to needs of librarions and patrons. - Some fratures are: * outaloging: Allows librarians to collaton works and Lanto media including metadata * Circulation: facilitates bronzowing and Letterning s alone of library materials.

* Pation management: Maintains pation records 6. Design such as registration and sorrowing history + Reporting : Generating negular periodic neports 3. Functional requirements * user interface: UI and how information is presented to the user + Library uses account management system Duple account information, user ID, name, positioning prevailages, uses a Grut which allows librarion to change the mps. * Book secold: cist of books available, ISBM, title * Book bossowing system . Check out books show books, bossowing informations 4 Interface negurirements: of user interface Intuitive interface for librarians and * Bode display and detailed view: Display of Looks Information, access to to history and reviews. * User Peofile: User friendly interfaces for registedia login, access to bristory. * Notifications: System for alests on overdue books recommend attons. 5 Performance requirements: * Perponse time: Check in and check out in less then 5-10 seconds. * Search function shall work in less than 12 seconds

* Each user must have an ID used for back. 6 Resign constraints: * Competibility with multiple glatforms & satabases * Scalability to accompedate growth, adherence to winted Security standards, accessibility for all users 7. Non fruitional organisements: * Minimal latency, reliability to operate without crashes or errors, user fixeally interfaces 8- Preliminary Budget: * Costs for Sevelopment Topastanture, maintenance how tecining beta testing inlegistion , occurring , etc. ooks gitat of