30-90-24 Q.3 Library Management System I. Introduction I.I. Pumpose of the document The System will manage library operations such as book box rowing, returns, user registrations and catalog Management. I.2 Scope of the document This provides detailed overview of system's objectives, leatures and user interactions. CMS will automate management of library resources, including catalloging, bossowing returning and tracking books. 1.3 Overview The system will facilitate the operations of physical library by allowing librarians to track inventory, borrower to borrow books, returned books, generate reports. It will supposet multiple user roles, administration, manage library digitally.

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	2. General Description
	2.1 Usen chanacteristics
	· Library staff: · General Public
45.51	-2.2 Usen Interface
	· Easy to use & intuitive · Secure & encrypted data transactions · Support various functionalities.
his.	2.3 Features
Agreement Agreem	The system will function as a centra Pred platform for managing library's resources. It will enable users to search books etc. Librarians, administrator's will have ability to add/update/remove books. System will also generate reports for library management Easy tracking of book inventory.
Ulano Ha	3. Fun ctional Requirements
A	· Usex registration, authentication. new users to register and existing users to log in using excedentials. · Book Catalog - administrator. Can add update
	and remove books. Books Searching & Bossowing Book Return line Calculation

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		· Notification System · Report Generation
_		4. Intexface Requirements
		Usex Interface: System provides a easy web- based Intexface for both librarians & usexs. API: System will have API's for integration System will send teminders for uselys to return books on time.
		Б. Рен formance Requirements:
	8	Should be able to handle load. Should xecover easily & quickly after a failure
	6	Davin Controlt
	90	Design Constraints
		ecurity: Prioxitize security measure to protect sys. Scalability: Future growth & increasing demand should be kept in mind.
		Integration: Must consider other lib sys & scruices
	7	· Non-Functional attributes:
		Easy to use
	e	Maintaina bility Intex operability
1	e	Poxtability

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	18. Preliminary Schedule & Budget
	- Schedule for this project is estimated as:
	- Requirement Gathering & Analysis - (4-5 weeks)
	11-Sustem Design
	- Development - (8-10 weeks)
	1- Testing & Validation - 14-6 weeks
	- Deployment & Training - (2-3 weeks)
	I don't have added to
	TIARIO 1 1 5.1 1/2 - /19- 93 enorte
	total Estimated Weeks (11 20 weeks
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-	Service Proposition 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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