STOCK MAINTAINANCE SYSTEM

Ruddem Statement : - Most organizations extil only con manual methods con contrated systems for istock management. This coften deads to Sublem isuch as unaccurate stock levels idue ito human cerviors, oney Stocking wer under - Stocking usues , idelay in processing istock vequests, edifficulty un egenerating dirnely verports for edicarion making-

Onte

1) Purpose :- The purpose cof the Stock Maintenan System is to cautomate the species is tracking updating and managing stock devels un an vorganization. It will deplace

traditional manual methods with ca combuterized System that censures refficiency accuracy, & creal-time visibility of unventory

2) Scope: - The (8MS) will o maintain ca centralize

- database of stock items callow cadmens to cadd, who date & idelete whock utems.
- · enable staff / users ito vieguest, usuc & recetion stock.
- · Perontde real-time updates ook stock equantities · Support veport generation.
- elgenerate automatic calects for claw stock of concertocking.
- · Ensure viole-based vaccers.

	Date Page
(0)	Course of the well be used - based
3	Overview: - The System will be useb-based
	capplication with the following modules: · authentication module: secure dogin for
	Cauthentication modules a comme
-	eadmer & users o stock management module: add, update,
	stock management mounts
	takethe 4 meto osta
	· transaction imodule
	o calent module
	· deporting module.
	Jegeneral Resorgation 3 - • [Usey] - eddnen
	- Manager - cappuone istock vieguests
~	- Manager - cappaint stock & view - Staff /User - can request stock & view
	availability
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
-	System depends on unternet commectivity.
	- System depends un uniones - Requires la delational idatabase (MySell).
	- Regardes la comme la
<u> </u>	Functional Requirement: - dogin & cauthentication.
	transaction chandling - usul stock to staff
	user i return unused stock, veguest
	and close items.
	new stock utems motify admin when istock falls below
	and the wind old.
	reports - generate daily muckly & monthly.
	ouproise approved to the second of the secon
(C)	Non-Functional Requirement: - Performance
	- Rellability — Portability Usability
	Security
	Maintainability

Interface Requirement & - · User Interface & - web pared dashoboard for cadmin, manager f. mobile-friendly idesign. . Hardreage Interface & - minimum 4C1B RAM. 2 Get 2 Sperocessay, 500MB storage. · Sottware Interface .. - Sackend - Paython / Java. - idatabase - MySQL - swordend - HIML, CSS, Java Soulpt. theternet connectivity mego for coloud - reased access 8 Design Constraints & - must comply with data security originations. - dimit budget for anguaturatury.

- system must be iscalable to handle future istock @ Penformance Requirement :- vierponse d'ime related to istock (radd, rupidate, search, delete should be sprocessed within 2-3 seconds. + scalability - The crystem should handle is growing idatabase of least 100,000 stock utems. unthout isignificant operformance doss - edvailability - The system should be cauailable 24/7 with cat deast 99% whome, encluding Schoduled maintanance. data caccuracy every utilization Through put Lo Schedule & Budget : - Yotal adversion ~ 15 weeks.

elstimated budget ~ \$10,700 (cencluding maintenance costs)