Group - 01

Group members

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Project Title: "LabAssist, A comprehensive lab management system."

Functional Requirements:

will be able

① User has to register and login (role based)

② student will be able to view available lab instruments and submit request for specific items.

③ teachers will be able to receive notification of new request and abe able to review and approve or deny them.

④ Students will be able to access the history of their past request, including status updates.

⑤ Instructor will be able to add new instruments, updates existing instrument, details and remove them.

⑥ Instructor will be able to check out the requested instruments to the students.

⑦ Teachers will be able to view reports indicating which students have returned instruments, on time and which have not.

⑧ Users should receive notifications for important actions, such as, request approvals, denials, upcoming return dates, and reminders for

⑨ Admins should have the will be able to manage user accounts (creating, updating, deleting)

⑩ The system will be able to to audit logs of all significant actions taken within the system, including requests, approval, updates and return.

⇒ **Non - functional Requirements**

1. system will be able to response provide⌃ a very less response time (ᴜᴏᴛʀ approx time fнcʀ ⁃)

2. System will be able to support at least 500 concurrent users ⱥ.

3. system will be able to have an availability of for at least all the working days (ꜰᴍ⁇)

4. System will be able to introduce multilayer security to the sensitive data.

5. System will be able to provide an intuitive and user- friendly interface.

6. System will be able to ensure the ease of maintenance, modification and extension by future developers.

7. System will be able to intigrate existing lab management system and instruments

8. system will be able to include detailed user documentation and technical documentation.

24.9.24