KOMBOLCHA INSTITUTION OF TECHNOLOGY

COLLEGE OF INFORMATICS

DEPARTEMENT OF SOFTWARE ENGINEERING

Mobile Application Development(SEng6241)

Title: **Computer Lab Information App for Wollo University KIOT**

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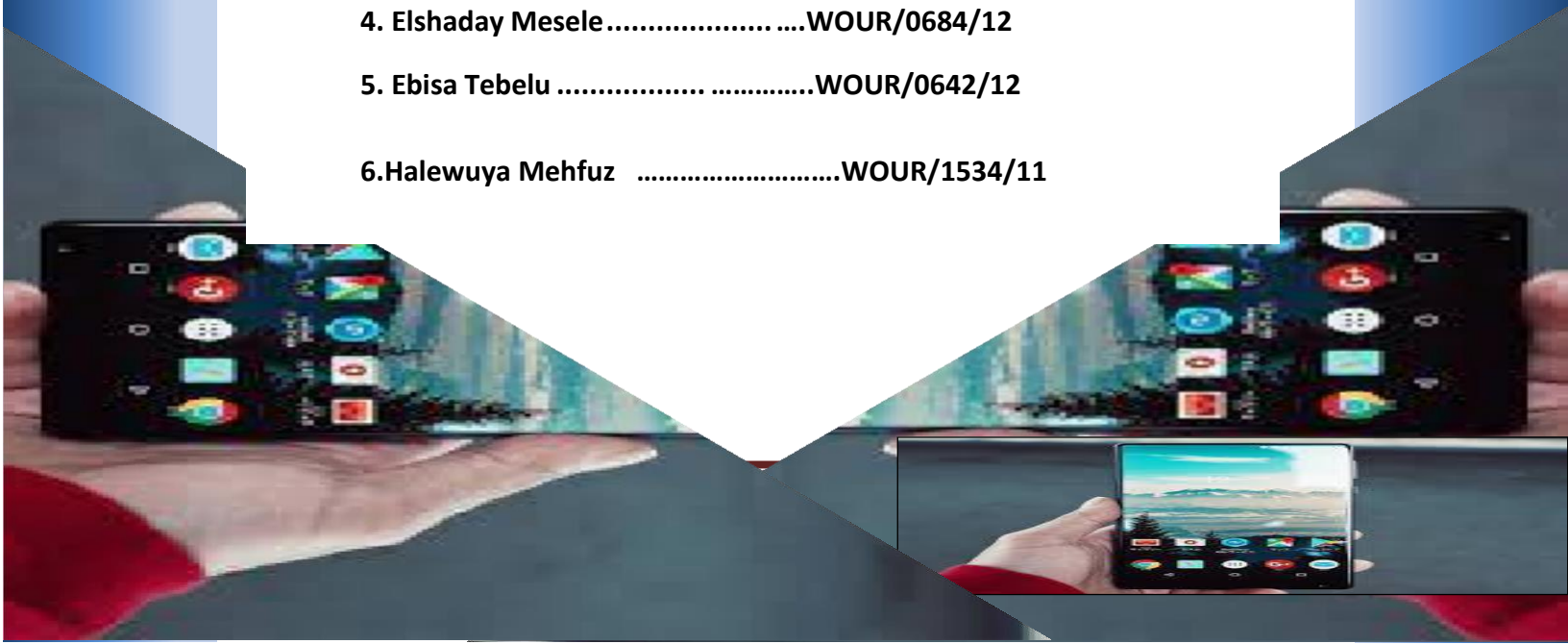

Introduction

General information about computer laboratories. A computer laboratory is a room or location equipped with computer hardware, software, and other necessary accessories for users to use computers to work on various tasks, such as programming, research, or general computer skills development. Computer labs are often located in schools, colleges, libraries, and other educational or public institutions, and are designed to provide users access to computer technology that they may not have at home or in their own personal workspaces. Such labs may be staffed with trained professionals who can provide technical assistance to users and ensure that the equipment is properly maintained and updated. Is there any specific information or question about computer labs you would like me to address.

Problem of statement

As far as I understand, there is no specific problem related to the statement of a computer laboratory as a whole. However, there may be challenges or problems that can arise in the context of the lab such as

- technical difficulties with the computer systems or software
- inadequate user training
- lack of funding for maintenance or upgrades
- security or privacy concerns regarding user data.
- Additionally, there may be issues related to managing the lab, such as scheduling conflicts
- access control, and staffing.

From the above evidence the basic problem of the statement of computer lab Report is

- The existing system of the lab report is manual system of reporting .

- So that tracking maintenance needs more time then it is time-consuming
- and prone to errors.
- The physical movement from one computer lab to another is not only time consuming but also exposes the maintenance team to the risk of contracting diseases such as COVID-19.
- Additionally, the manual system is prone to errors, which can result in missed maintenance needs or duplication of tasks

what is the Significant of project of computer lab application

The significance of a project involving computer lab applications can be quite significant depending on the context and objectives of the project. Developing or improving applications for computer labs can help enhance the lab's functionality and usefulness to its intended users, such as students, researchers, or professionals. For example, creating new software tools or improving existing ones can enable users to perform more complex or specialized tasks, improving their productivity and efficiency.

- To reduce the time taken to requre .
- To reduce errors in reporting and tracking maintenance needs.
- To provide an efficient way of assigning maintenance tasks.
- To improve the overall efficiency of the maintenance process
- improved Monitoring:
- Improved Task Management:
- Improved Communication:

Functional requirements

- Login and register page on firebase account
- Cloud messaging
- Notification allow with cloud messaging
- Static data lab information (about lab info)

- phyton bot

Non- Functional requirements

Performance Requirements:

- The app should load quickly and respond to user input promptly.
- The app should be designed to minimize data usage and battery consumption.
- The app should be able to handle a large volume of maintenance needs and tasks.

Compatibility Requirements:

- The app should be compatible with both Android and iOS platforms.
- The app should be designed to work on a range of device sizes and resolutions.
- The app should be compatible with a range of mobile operating system versions.

Security Requirements:

- The app should use secure authentication to ensure that only authorized users can access the app and its features.
- The app should use encryption to protect user data, including login credentials and maintenance reports.
- The app should store user data securely and ensure that it is not accessible

Suggestion

- Using python bot
- Show lab information
- Allow notification

Conclusion

To write a conclusion about a computer lab report application, it will depend on the specific experiment or project that was conducted. However, a good conclusion should summarize the key findings of the lab report for all informatics computer lab maintenance. It is also important to discuss the significance of the findings and their implications of the computer lab maintenance report applications. Finally, the conclusion should address any limitations that is suggested by our lecture to include some features to the application. Overall, a well-written conclusion should tie together the main points of the report and provide closure to the reader.