



Salale University

College of Natural science

Department of Computer Science

S/no	Students Name	Project title	
1.	Ephraim Yared	1. Grievance handling in case of Salale University Android based App development	
2.	Ephrata Kelemu	2 Web based construction management system .in case of .Salale University	
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Title 1: Grievance handling in case of Salale University Android based App development

1. Problem of statement

- ✓ **Inefficient Complaint Submission:** Users do not have a convenient platform to submit their grievances or complaints, resulting in delays and under-reporting.
- ✓ **Lack of Transparency:** Complainants do not have a clear view of the status of their grievances or the expected resolution time.
- ✓ **Delayed Responses:** The manual nature of grievance tracking leads to delayed responses from the responsible departments or authorities.
- ✓ **No Centralized Platform:** Organizations struggle to manage, prioritize, and track all incoming grievances due to the absence of a centralized, streamlined system.
- ✓ **Prioritization and Escalation Issues:** There is no mechanism to categorize complaints based on urgency or severity, leading to a lack of prioritization.
- ✓ **Lack of Analytics:** Decision-makers do not have access to useful insights or reports on the types and frequency of complaints to make informed improvements.

2. Objective

2.1 General Objective

The general objective this Project is to develop Android based Grievance handling project for Salale university

2.2 Specific objective

- ✓ To Study problem of the existing system.
- ✓ To analyze the existing system.

- ✓ To identify functional and non-functional requirements from specific stakeholders.
- ✓ To identify the appropriate model of the system.
- ✓ To design, database architecture.
- ✓ Enhance data security measures to protect attendance data from unauthorized access.
- ✓ To develop user friendly user interface.

3. Significance of the Project

- ✓ **Simplified Grievance Submission:** The mobile application makes it convenient for users to submit grievances anytime, anywhere, which encourages higher reporting rates and timely identification of issues.
- ✓ **Streamlined Processing:** Automating grievance management through the app reduces manual errors, speeds up response times, and ensures that each complaint follows a clear, structured workflow.
- ✓ **Transparency and Accountability**
- ✓ **Real-Time Status Tracking:** Users can track the status of their grievances in real time, creating a more transparent process and improving trust in the system.
- ✓ **Clear Audit Trail:** The system ensures that all actions taken to resolve a grievance are logged, promoting accountability among staff and departments handling complaints.
- ✓ **Timely Resolution:** By providing clear communication and notifications, users are kept informed, reducing frustration and increasing overall satisfaction with the grievance handling process.
- ✓ **Prioritization of Issues:** The system allows for categorizing and prioritizing grievances based on severity, ensuring that critical issues are resolved first, improving service quality.

- ✓ **Unified Platform:** The system centralizes all grievances in a single platform, ensuring easy access to data for both users and administrators. This reduces data fragmentation and allows for better management of complaints.
- ✓ **Analytics and Reporting:** The app can generate reports and provide insights into common issues, complaint frequency, and performance metrics, helping organizations make data-driven decisions to improve their services.
- ✓ **Reduced Paperwork:** A digital solution eliminates the need for physical paperwork, saving time and resources in managing grievances.
- ✓ **Automation of Routine Tasks:** Automating notifications, status updates, and record-keeping helps reduce administrative overhead and manual effort.
- ✓ **Responsive Organization:** By ensuring timely grievance resolution and fostering transparent communication, the organization's reputation and trustworthiness improve, which can lead to higher user confidence and loyalty.
- ✓ **Compliance with Regulations:** Many sectors are required by law to have effective grievance redressal mechanisms in place. This system ensures compliance with those regulations, avoiding legal complications.
- ✓ **Future-Proofing:** The app can easily be scaled to accommodate a growing number of users, complaints, and more sophisticated features, allowing the organization to continue improving its services as needs evolve.

Title 2: Web based construction management system in case of Salale University.

1. Problem Statement

- **Inefficient Project Tracking:** Currently, construction projects at Salale University are monitored manually, leading to challenges in tracking progress, deadlines, and resource allocation. This inefficiency often results in project delays and budget overruns.
- **Poor Communication:** The lack of a centralized communication platform hampers collaboration among stakeholders, including project managers, contractors, and university administration. Miscommunication can lead to errors and misunderstandings that impact project outcomes.
- **Lack of Real-Time Data:** Without a digital system, stakeholders do not have access to real-time data on project status, which hinders timely decision-making and responsiveness to issues as they arise.
- **Inadequate Resource Management:** Manual systems often result in ineffective resource management, including labor, materials, and equipment, leading to wastage and increased project costs.
- **Limited Reporting Capabilities:** Generating reports on project status, financial performance, and resource utilization is cumbersome and time-consuming without an automated system, limiting the ability of administrators to make informed decisions.
- **Compliance and Documentation Issues:** Keeping track of compliance with regulations and managing necessary documentation is challenging in a manual environment, increasing the risk of legal and financial repercussions.

2. Objectives

2.1 General Objective

The general objective of this project is to develop Web based Construction Management system in case of Salale University.

2.2 Specific Objectives

- To analyze the current challenges in construction project management at Salale University.
- To identify and document functional and non-functional requirements from various stakeholders, including project managers, contractors, and administrative staff.
- To design an intuitive user interface that facilitates easy navigation and use of the system for all stakeholders.
- To develop a centralized platform for real-time communication and collaboration among all project stakeholders.
- To implement features for tracking project progress, budgets, timelines, and resource allocation efficiently.
- To create robust reporting and analytics capabilities to support data-driven decision-making.

3. Significance of the Project

- **Enhanced Project Efficiency:** By automating project tracking and management processes, the system will help reduce delays and improve overall project efficiency.
- **Improved Communication:** A centralized platform for communication will facilitate better collaboration among stakeholders, reducing misunderstandings and errors.
- **Real-Time Monitoring:** Access to real-time data on project status and resource utilization will empower stakeholders to make informed decisions quickly, enhancing responsiveness.
- **Effective Resource Management:** The system will enable better allocation and tracking of resources, minimizing waste and ensuring optimal use of materials, labor, and equipment.

- **Streamlined Reporting:** Automated reporting capabilities will save time and provide administrators with the insights needed to monitor project performance effectively.
- **Regulatory Compliance:** A digital documentation system will ensure compliance with construction regulations and standards, reducing legal risks associated with non-compliance.
- **Cost Savings:** While initial development requires investment, the long-term efficiencies gained through better project management will lead to significant cost savings.
- **Scalability for Future Projects:** The system can be adapted for future construction projects and expanded to incorporate additional features, positioning Salale University for ongoing improvements in construction management.
- **Contribution to Campus Development:** By enhancing the management of construction projects, the system will contribute to the overall development and enhancement of the university's infrastructure, ultimately benefiting the student and staff community