

Name 1: Adm. no. 1

Name 2: Adm. no. 2

Project Title:

- Should answer the questions **what, where, and how.**
- Should not be longer than 15 words
- Should have title casing (every word apart from conjunctions should start with a capital letter).
- *Sample titles include:*
 - A Web-based Strathmore University Clubs and Societies System for Enrollment and Engagement
 - A Mobile Application for Strathmore University's Flea Market
 - A Web-based Platform Connecting Domestic Workers with Clients for Quality Homecare Services
 - A Mobile Application for Budget Planning and Expense Tracking for Students
 - **A Web-based Telemedicine and Equipment Sharing Platform for Strathmore University Medical Center**

Background

The background should give brief details about the context/scope of the project and should also explain the current state of affairs of a given process being researched in the project.

Sample background:

Strathmore University Medical Center (SUMC) is a healthcare facility located within Strathmore University's Madaraka campus in Nairobi, Kenya. It serves both the university community and the general public, offering a range of medical services. These services include general outpatient care, dental services, pediatric care, and minor surgical procedures. In addition to clinical services, SUMC is involved in health systems research, aiming to contribute to advancements in healthcare delivery and policy. The center operates Monday through Friday from 7:30 AM to 7:30 PM, and on Saturdays and public holidays from 8:30 AM to 2:30 PM. On a daily basis, the facility serves about 60 patients, majority of which include Strathmore University's students and staff members (Strathmore University Medical Center, n.d.).

Problem Statement

This subsection should highlight the problem(s) identified in the specified scope/context of the project, alongside the effects of these problems or any gaps realized.

Sample problem statement:

The Strathmore University Medical Center is currently facing significant limitations due to a lack of sufficient and modern medical equipment. This shortage hampers the ability of healthcare professionals within SUMC to deliver accurate diagnoses, perform essential procedures, and provide timely treatment. As a result, patients experience delays in care, increased referral rates to external facilities, and reduced overall satisfaction. The inadequacy of critical equipment such as diagnostic tools, surgical instruments, and monitoring devices also compromises the quality of care and may lead to suboptimal health outcomes. Addressing this equipment gap is essential to enhancing the center's service capacity and improving patient health outcomes.

Proposed Solution

The proposed solution is a general proposition of how the problem identified will be solved. The tools to be used or the techniques to be used should not be necessarily be mentioned at this early stage.

Sample proposed solution:

To mitigate the impact of insufficient medical equipment, SUMC can implement a Telemedicine and Equipment Sharing Platform. This digital solution would allow healthcare providers in the facility to remotely consult with specialists and access diagnostic services through secure online platforms. Additionally, it can include an Inventory Management System to monitor available equipment in real-time, track usage patterns, and facilitate sharing or borrowing of equipment across partner facilities within a network. This approach improves resource utilization, reduces unnecessary referrals, and ensures that critical cases can be supported with the best available resources through digital collaboration.

References

Strathmore University Medical Center. (n.d.). Our services. Strathmore University. Retrieved April 22, 2025, from <https://sumc.strathmore.edu/our-services/>

General Concept Note Guidelines:

- The concept note should not be more than a page long
- The contents of this document should include:
 - Student names and admission numbers
 - Project title
 - The three main subsections and corresponding content (one can either use the subtitles or can omit them to simply have segmented paragraphs for each of the subsections)
 - References (and corresponding in-text citations within the body where necessary)