

A NEW INTERFACE DESIGN FOR HOSPITALS IN NEPAL

A STEP TOWARDS AN INCLUSIVE MAINTENANCE MANAGEMENT SYSTEMS IN HOSPITALS



This project addresses the subject of integrating Computerized Maintenance Management Systems (CMMS) into low-to-middle income healthcare contexts, with a specific focus on Nepal. CMMS play a pivotal role in enabling Biomedical Equipment Technicians (BMETs) to monitor and optimize the performance of medical equipment in a Hospital (WHO, 2012).

The central problem identified in the Nepalese context, through a comparative study between a Dutch hospital and 2 Nepalese hospitals, is a misalignment between the workflow of BMETs and the CMMS interface. An overwhelming amount of information and functionalities in the system makes it challenging for the BMETs to identify tasks.

This master thesis serves as an inspiration for designers to illustrate the importance of a human-centered approach when adapting software from one context to another by highlighting the importance of considering the needs and workflows in a local setting.

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A step towards an inclusive maintenance management systems in hospitals
21-09-2023
Design for Interaction



Scan for a demonstration video showcasing the prototype

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