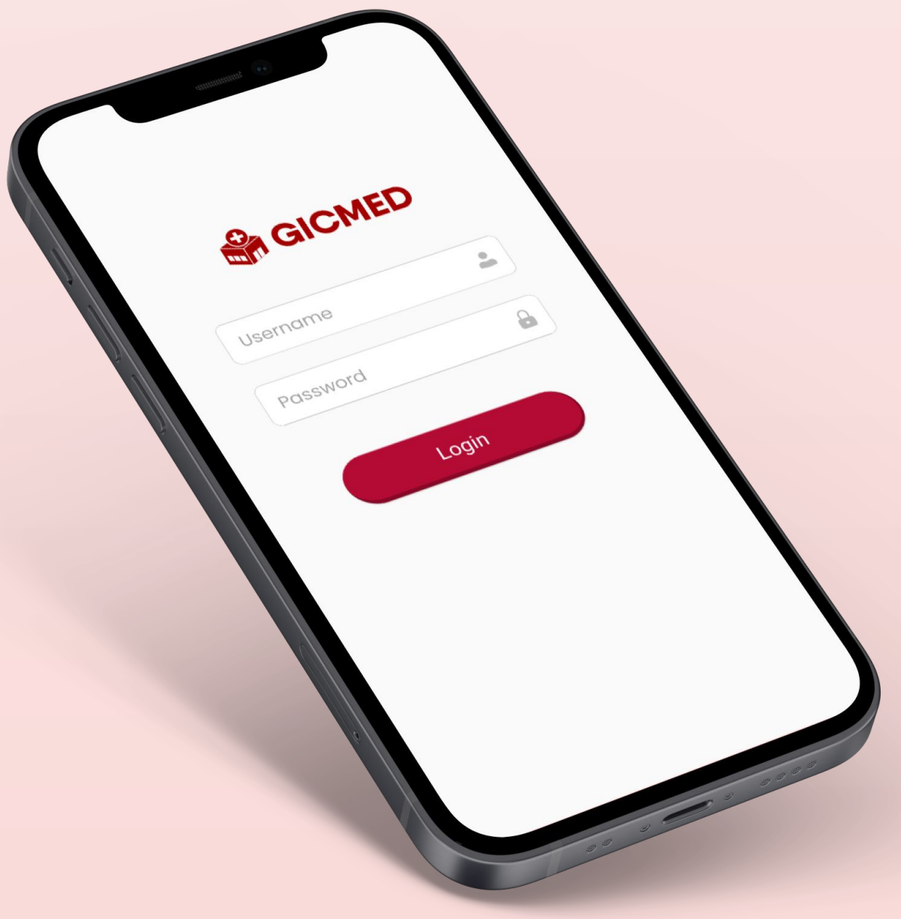
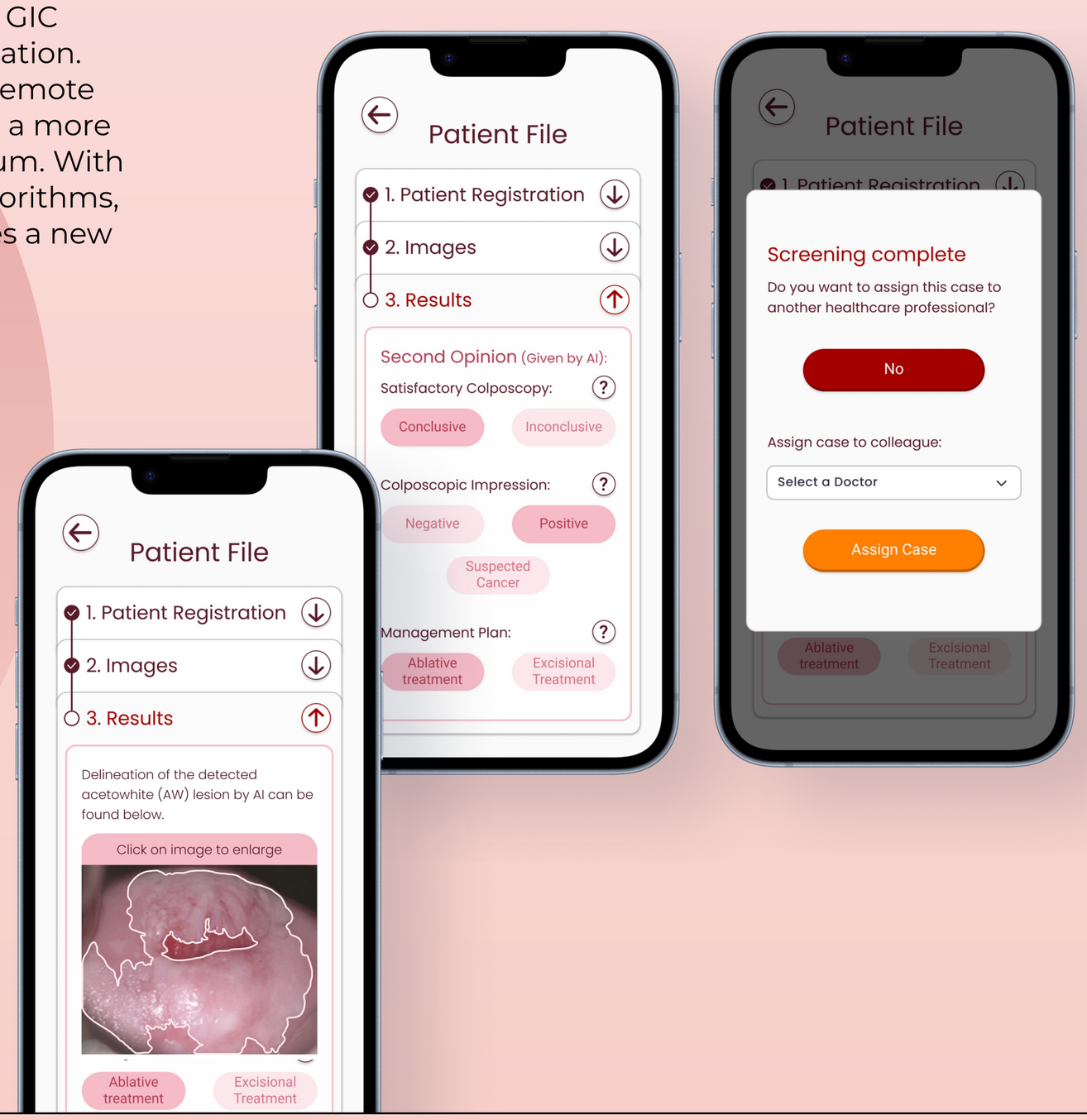
Redesigning the GICMED Application for Cervical Cancer Screenings



A Minimum Viable Product was created to **enhance the interaction between patient and healthcare provider** in Low Resource Settings and help these healthcare providers **to keep track of patient data more efficiently.**

Cervical cancer poses a huge challenge to global health (Sung et al., 2021). To provide access to cervical-cancer care to women in Low Resource Settings (LRS), the startup GIC Space is developing the C-Spec and GICMED application. With these innovations the company aims to offer remote Cervical Cancer Screening (CCS) and diagnosis, and a more comfortable experience than with a regular speculum. With the implementation of Artificial Intelligence (AI) algorithms, diagnoses will partly be automated and this requires a new workflow for the app.

GIC Space set the challenge to design for both highly trained medical professionals, like general practitioners and gynaecologists, and less trained healthcare providers such as nurses and midwives. By responding to medical practitioners' lack of expertise and experience to accurately diagnose cervical cancer, the redesigned application could increase screening reliability in LRS. In addition, by combining paper work and implementing Electronic Medical Records, patient data can be stored and accessed digitally, allowing personnel to work in a efficient manner and devote more time on providing care to patients. This will enable them to better empathise with their client and will lead to better care.



Nicole Marques Morgado

Using Digital Product Design to support Medical Staff during Cervical Cancer Screenings in Low Resource Settings

29th of July 2024

MSc Design for Interaction

Committee Prof. dr. ir. J.C. Diehl
Dr. M.K. Chmarra

Company GIC Space
Dr. C. Tankou

Faculty of Industrial Design Engineering

Delft University of Technology