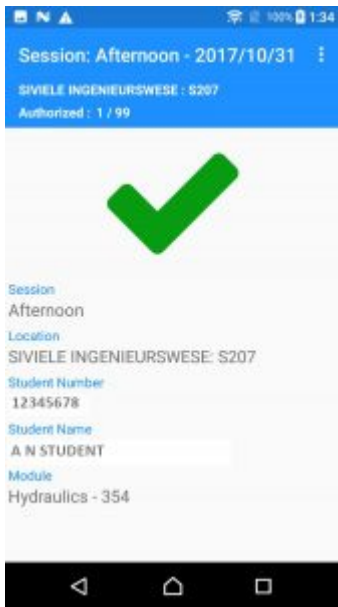


INFORMASIE-TEGNOLOGIE

INFORMATION TECHNOLOGY

EXAM ACCESS APP A RESOUNDING SUCCESS



Examinations for students has been a manual and time-consuming process of checking-in students to new technology developed by Information Technology in collaboration with the Registrar's Division, this is no longer the case.??

The identification of students for access to examination venues has been facilitated with the use of

technology against the back of the cell phone, and on the screen, it is indicated whether the student is authorized to sit in the specific module in the specific venue. The screen will display a green mark if the student is at the venue (see image right) and a red cross if not. If the student is at the wrong venue, the student should be for the exam or test.?

The examination venues being easily and swiftly controlled and will certainly simplify and improve the process with regard to examination venues.

This was made possible by the NFC (near-field communications) chip on Android phones which is a small chip embedded in the student card, and the identification information is then used by the student's exam venue. The exam venue and module information come from the Student

The app was used on a small scale during the November 2017 examination and the technology was rolled out fully for the June 2018 examination. It was a resounding success.?

Emce Louw, Head of the Exam Office experienced the impact first-hand as the process was driven from her office. This included loading the cell phones, setting up data, training the convenors responsible for scanning at the venues and collecting the phones after the exams. She received overwhelmingly positive feedback from invigilators and students alike:



"Scan van studentekaarte is fantasties! Ek het gister 4de jaar Megatronika studente gehad. Hulle was vreeslik beïndruk met die scanning!"

The development and successful completion of the technology was a cross-functional team effort. Hendrik le Roux from Information Technology's Access Control Division was the project manager and Guzelle Hendricks was responsible for business analysis for the two three-month phases of the project which ran from the end of 2017 to June 2018.

In addition to Hendrik and Guzelle the following staff played a key role in getting the project off the ground - Phillip Greeff (TAS), Gregory Isaacs (TAS), Anna-Mari du Toit, Marc-Allen Johnson, Jeremy van Rooyen, Charles Hopkins, who wrote the app and Elmar Matthee who was responsible for the back-end development. On the side of the functional stakeholders, besides for Emce, Neels Fourie (Deputy Registrar), and Jan du Toit and Helene Nieuwoudt (both from SISS) participated in the project.

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