**CPUT LOGBOOK MOBILE APP**

**Link to the Mobile App in Development Phase**: <https://logbook115.retool.com/mobile/apps/logbook>

**Platform used for Development Used**: Retool <https://retool.com/>

**Name of App**: CPUT Logbook

**Target Audience**: CPUT Students in the Civil Engineering and Geomatics Faculty

**Functional Requirements**:

* Login and Registration by students
* Login and Registration by supervisors
* Students Must be able to fill in the logbook.
* Students must be able to edit their logbooks.
* Students must be able to view previously completed logbooks.
* App must store students’ logbook information on a Database.
* Students must be able to Download completed as a PDF format Document.
* Offline-Mode option for students who might not have internet access.
* Students must be able to sign electronically on the logbook using a signature.
* Supervisors must be able to view students’ logbooks and comment and the sign electronically.

**Non-Functional Requirements:**

* The App needs to be user friendly.
* Run Natively on Android and IOS Devices
* Easy navigation throughout the app
* App must be compatible to all different mobile screen size and operating system software version android/iOS.
* Minimal down-time

**Recommendations for further Development**

* Platform: Visual Code Studio
* Language: React Native
* Database: MySQL