Android mobile application for data visualisation

Purpose and objectives of the project

Many parameters must be monitored and controlled in an experiment as large as MPD. SCADA is usually used for this purpose. However, the data visualization can be transferred to the browser or directly to the mobile application. The project aims to write an application that allows monitoring specific data from the Slow Control system for the NICA experiment.

1. Tasks for students:

A student that will be responsible for this project should build a universal tester that requires doing:

    a. Conception of the algorithm (e.g., Flow Chart Maker)
    b. Connection to the database (e.g., JAVA)
    c. Programming the algorithm for the Android (e.g., JAVA)
    d. Preparation of the documentation (e.g., Word)

Note:

To better understand the project, check other projects that this supervisor offers to students.

It is possible to continue cooperation, for example, in the form of an engineering or a master's thesis and further scientific contacts.