Project Plan - Server for a GPS/GSM Tracker

Language

The language of the project thesis will be English or German.
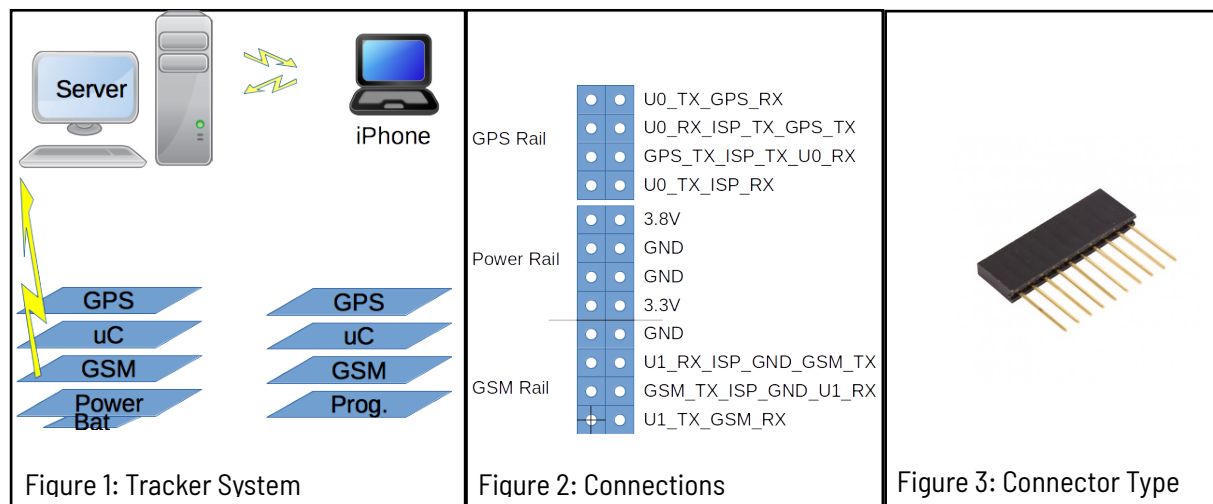
Handouts

- GPS board
- Project description

The paper handouts will be available on Moodle.

Project - 4 SWS, SW, two students

Set up a server on the host PC (Apache, PHP, mysql).

- The server receives a data packet from the GSM-module (GPRS to http). Design an appropriate interface.
- The server calculates the position from the GPS-data.
- The server calculates the position from the GSM-position data (RSSI, LAC, CID, MCC, MNC).
- The server displays the position on GoogleMaps (OpenStreetMap).
- The server sends the position data (both, with an indicator GPS/GSM) to a requesting iPhone/iPad. Design an appropriate interface.
- The server generates and stores a track.
- The server can call the GSM/GPS-tracker to wake it up and request new data. Design an appropriate interface.

The work needs to be documented accurately step by step.

Figure 1: Tracker System

Figure 2: Connections

Figure 3: Connector Type

Deliverables
- SW packet
- Documentation and Presentation