1. Developing the Unique GPS tracking device to track the Realtime positions of the trains
    1.1. Choosing the most suitable microcontroller and GPS module (ESP32 AM-036 and Neo M8N module)
    1.2. Increasing the GPS coordinates reading accuracy up to 3.5m (Integrating the advanced filtering methods)
    1.3. Realtime reading data storing in the google sheet for access the backend functionalities
2. Obtaining the actual coordinates on two parallel train tracks between selected two close stations.
    2.1. Use the OpenStreetMap (OSM) and python.
    2.2. Extract only the actual coordinates using the advanced methods.
    2.3. Identifying the unique two data sets related to two lines. (Line_01 and Line_02)
    2.4. Plotting the map using extracted coordinates on OSM for validation.

3. Identifying a line as an active section, when a train entering to a line.
    3.1. If a device read coordinates which related to Line_01 or Line_02, it identify the that line is active.
4. If two trains entering to a same line section, it is acritical situation.
    4.1. During one line section is active (it means that line is occupied by a train), if another train is entered to that line section proposed solutions must be taken.
    4.2. Mainly the two device's buzzers, which trains under the risky situation, must be active and warn to the engine drivers.
    4.3. Also, the critical situation should showcase in the main controlling center in developed UI, with locations and trains.