Naan Mudhalvan – IoT Project

Project Name: Traffic Management

Project Description: Use IoT devices and data analytics to monitor traffic flow and congestion in real-time. This information can be accessible on a platform or through mobile apps, aiding commuters in choosing optimal routes.

Team Name: Proj_224783_Team_2

Idea Name: GPS manager

Team Member Details

Member 1 Name: Praajeet M R **nm ID**: au113321104076

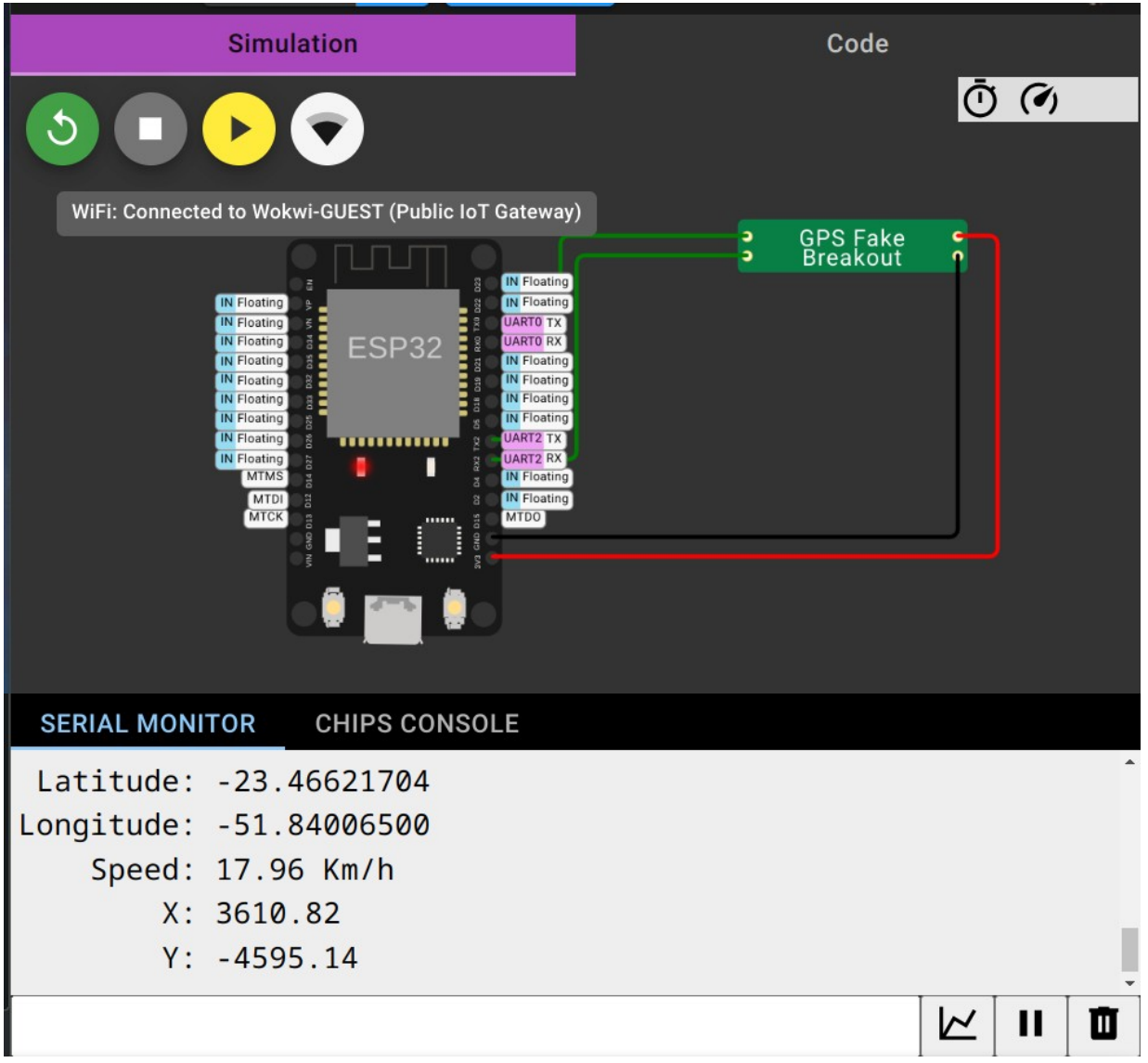
Member 2 Name: Venkata Pavan Kumar **nm ID:** au113321104074

Member 3 Name: Pragadesh R **nm ID:** au113321104077

Member 4 Name: Praveen J **nm ID:** au113321104078

Mentor Name: Pratheeba R S

Evaluator Name: Jeba Sundar

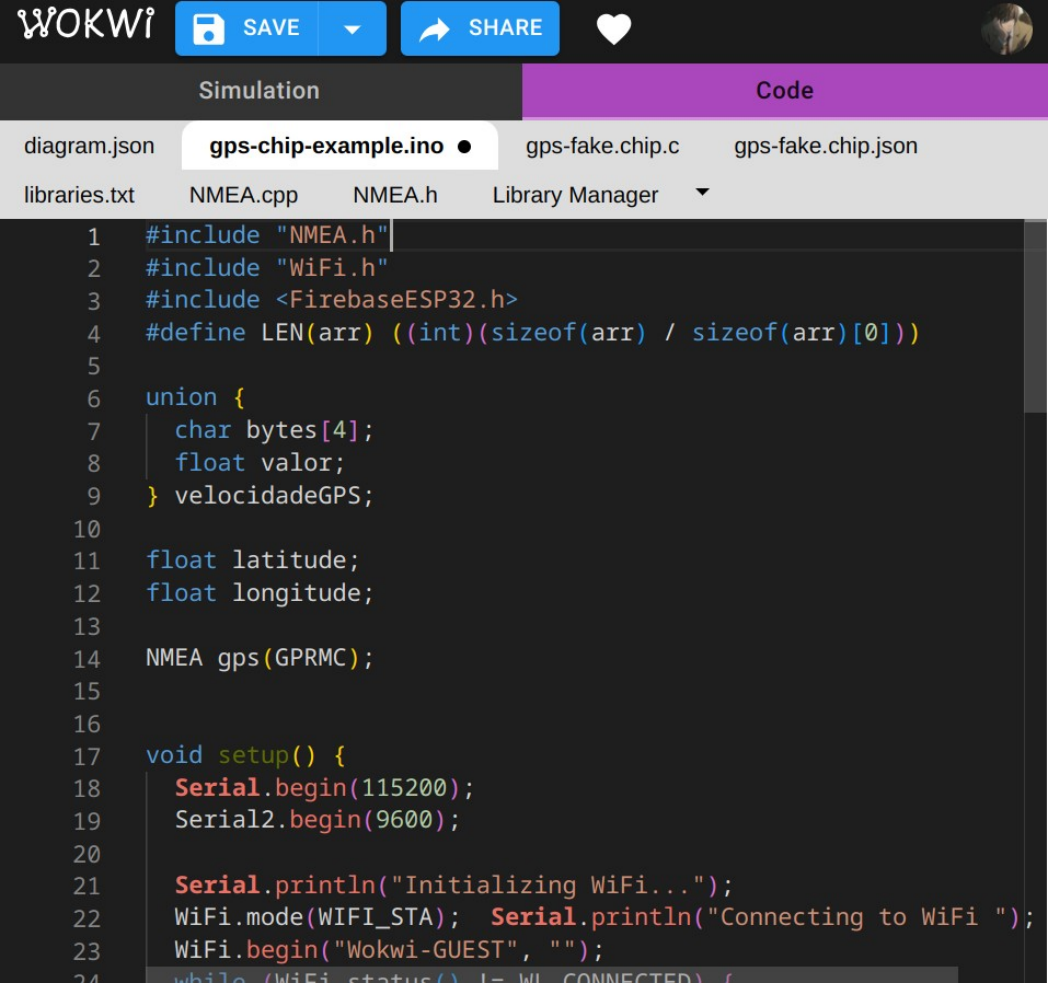


Simulation:

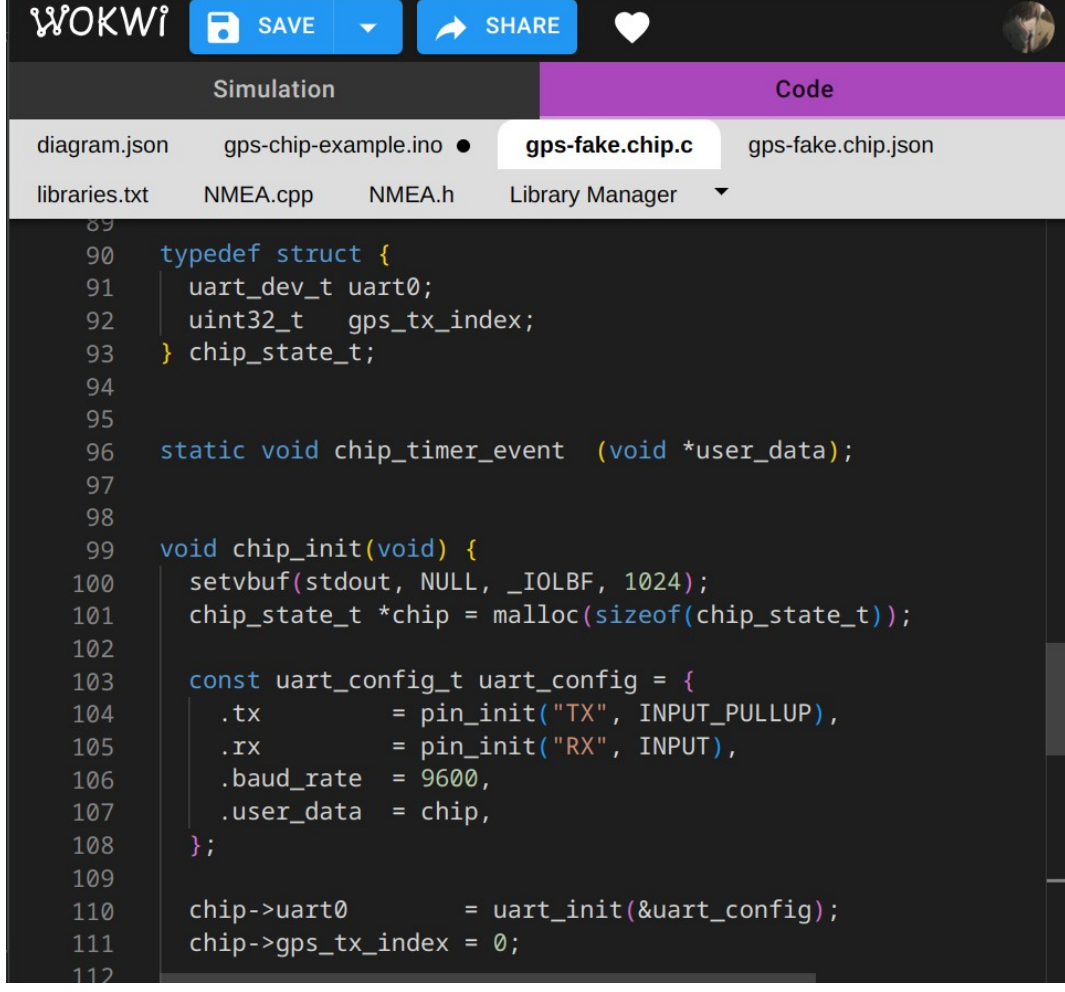
ESP32 is connected with a GPS chip through uart pins

The device is sends data with the help of wokwi's wifi

Sample output data is logged in the serial monitor



Main driver code for the esp32 board



Custom code that simulates the functioning of a gps