

EXTERIOR LIGHTING SYSTEM PROTOTYPE FOR A CAR



PROJECT DESCRIPTION

This lighting system must:

- Illuminate the surroundings of the car to carry out outdoor activities at night like camping, working, etc.
- Turn on the vehicle so you can see it from a distance, if needed (improving visibility while driving in rain and fog)
- Possibility of control using a mobile phone via Bluetooth
- Completely powered by a 12V car battery
- Use communication protocols (CAN, LIN) which are current standards in the automotive industry

PROFILES: ENGINEER



2 Trainees



Electrical Engineering, Telecommunications, Embedded Computing, Microelectronics (ENIT, ENISO, ENIM, ENIG, ENIS)



6 months



C, Python, CANalyzer, IHM, CAN, LIN, drivers, Cross compilation, Arduino, STM32, ESP32, MCP2515