**Discussion**

The vehicle is expertly assembled and performs the tasks set in the competition rules flawlessly. Thanks to its 6000 mAh battery, it can complete all the races on a single charge, leaving plenty of energy in reserve. The vehicle moves using two DC motors mounted on the rear axle and turns with a servo motor attached to the front axle. A powerful motor driver, capable of handling high voltage and amperage, is connected to the motors.

The vehicle is equipped with three ultrasonic sensors positioned forward, right, and left, which help it center between walls and detect when to make turns. A camera mounted on top, together with a Raspberry Pi 5, enables efficient AI navigation to set the correct direction for avoiding obstacles. We installed a button to start the system.