Arduino Soccer Robot

What is Arduino?

Arduino is an open-source platform used for building electronics projects. Arduino consists of both a physical programmable circuit board and a piece of software, or IDE that runs on your computer, used to write and upload computer code to the physical board.

What can the Arduino soccer robot do?

The Arduino soccer robot can avoid obstacles, record video, take pictures, it supports Wi-Fi control first view person. There are different possibilities that you can program the Arduino soccer robot to do with the IDE software.

It includes many components such as: DC motors, chassis, ultrasonic modules, motor drive board, Wi-Fi adapter board, and many more.

Setup

To build an Arduino soccer robot, follow these steps:

1. Order the parts
2. Assemble robot base
3. Connect the Modules
4. Connect the Motors to the driver circuit
5. Connect the Servo
6. Connect the kicker
7. Upload the code
8. Add power to the Robot
9. Install the application
10. Test the robot

There are many things you can do with the Arduino soccer robot.

Arduino soccer robot benefits

- Schools teaching robotics
- Competitions for universities, industries, and research institutes
- Gain more practice using Arduino.