**RoboBuba**

# EDUCATIONAL IOT BASED ROBOT WITH 3 WIRELESS TYPES OF CONTROL

**Author:**

**Gabriela Kunova Chavgova**

MG”Akad. Kiril Popov”

Plovdiv

10th grade

**Scientific adviser (consultant):**

Jordan Tsvetkov

**SUMMARY:**

RoboBuba is an educational and research robot weighing 400 grams. It participates in the field of "information technology". It combines parts of IoT, robotics, physics, mathematics and computer science. RoboBuba's main purposes are educational and research.

The design of the robot is entirely author's. With this project, I achieved the best functionality for its cost. I use components that are widely applicable in the field of Internet of Things and Robotics to help students learn how to work with them.

The robot is wirelessly controlled via Bluetooth, accelerometer, and gyro. Its other function is research - measuring and recording environmental data.