**Arduino Based AI Farmer Assistant Robot**

**Segments:**

1. Robot:

Collects data, analyses, shows in display.

1. Controller App:

Integrated Development Environment (IDE): MIT App Inventor, MIT

Language: JAVA

Connectivity: Bluetooth

Functions: Control-front, back, left, right, speed control, pump on, pump off, sensor in, sensor out. View Data.

1. Pump: Operated from robot. Automatic/manual from robot/android controller app. Uses relay module for controlling high voltage pump. Communication: 433MHz frequency radio controller.
2. Server: uses esp32 wifi module for connectivity. Uploads sensor data to server.