

**Final Project:** *Eye Blinking Detection and Remote Access to IoT Sensors and Devices*

Team Hard Coders

Raymond Fey, Javier Garcia, Ifeanyi Anyika

1612920, 1266111, 2051191

This project will allow a single client to use the eye-blinking detection application on the Raspberry Pi to control certain aspects of Internet of Things (IoT) devices connected to them, along with requesting help from a remote user. The remote user will be able to view certain sensor data, send messages, and remotely control the IoT devices from a web application on an Android smartphone.

The motivation for this project stems from the need to establish efficient communication between medical personnel and patients that have trouble speaking or moving their hands to use communication devices, and can also be extended to the deaf and people with other mental disorders. Being able to bridge the gap in fluent communication especially with technology and IoT will help medical personnel assist their patients more efficiently by enabling prompt responses.

Project Presentation Link:

<https://drive.google.com/file/d/1IMkFEKgIodtNpv2jgHdKmFWJUI6ShPBq/view?usp=sharing>