

## PROJECT ABSTRACT

**Project Name:** IR Learning Remote

**Project Description:** In this project, we will learn to control the project with your TV remote. Specifically we will work on turning the LED lights on and off through the Tc remote. This projects works by taking TV remotes and other remotes, converting their signals to numbers, and using them.

**Abstract:** We will now be able to control the current projects and other stuff, like lights and lighting. For instance, I could make it so that whenever I hit the play button on my DVD player remote, the lights in the room dim, or go out. The biggest challenge will be finding an IR decoder that will work, and then finding installing the proper library.

Electronics which will be required:

- Arduino
- Any IR remote
- IR receiver
- Breadboard
- Jumper Cables
- LED

We will look out for the tutorial and how to do it and the procedure involve in it. Doing it practically will depend on the various factors as it involves the purchase of hardware too. We will focus more on the software coding part of the project.