

The project that my team decided to do was a persistence of vision display using arduino, shown on <https://www.instructables.com/Persistence-of-Vision-PoV-Display-Using-Arduino/>. The goal of this design is to create an optical illusion in which a visual image is made by a set of LEDs quickly rotating. This is made possible because the human eye cannot process more than 10-12 images per second. Creating this project will make use of an arduino uno, an IR sensor, a general purpose board, LEDs, resistors, a DC motor, a battery, wires, a glue gun, a soldering iron, white paper, and a 3D printer to make the body of the machine. We are also going to write the code on the Arduino IDE. By following the steps found on the previously posted website, we would be able to accomplish the objectives of this project.