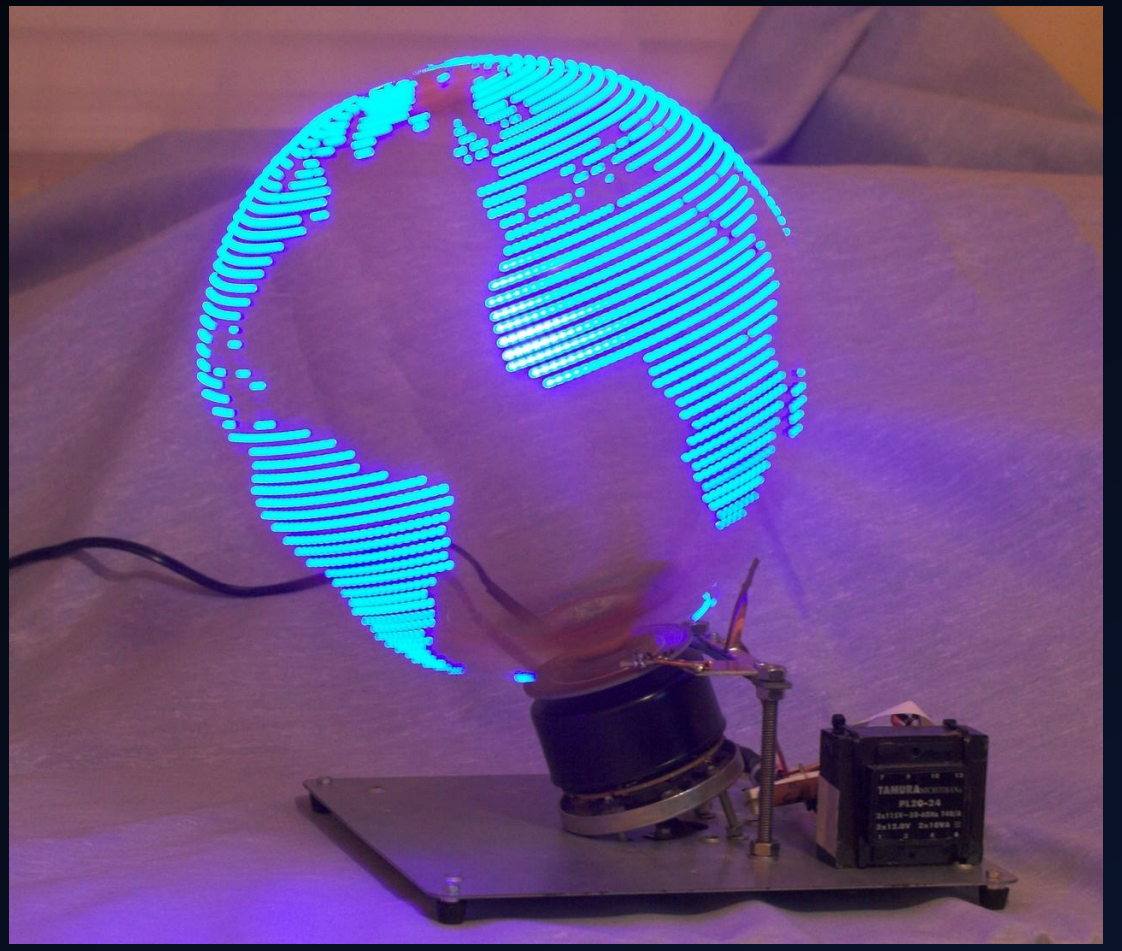
Persistence of Vision

DESIGN AND BUILD YOUR OWN POV DISPLAY

What is Persistence of Vision?



When we see images in a quick succession, it creates an optical illusion in our brain allowing it to detect motion. *This effect is knows as POV*

What is this course about?

- You will develop a POV based LED display project using ARDUINO
- The display when rotated at a certain high speed, will magically show letters that are pre-programmed.
- To achieve this, the flashing of LEDS is synchronized with the rotation of the display using ARDUINO programming techniques

Applications: Railway Stations, Bus Stations, DC Motors etc.,

Outcome

- Develop project based on the concept of Persistence of Vision (POV)
- Design and build your own POV display
- Work with ARDUINO development board
- Get hands-on experience on LEDs, Displays and DC Motor
- Program and test your POV display using ARDUINO

Kit Details

- Arduino Uno Board
- UART Cable
- DC Motor
- Dot Board
- Working tools
- Battery
- LEDs
- Resistors
- Plastic Gears

Other Details

- Students in a group of 5 can use the kit and submit the kit after the completion of workshop
- Students can purchase individual kit also
- Certificate will be provided after the workshop
- Name change/any changes will not be done once soft copy is sent.
- Project will be provided after workshop

For more:

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