Parikshith K S

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Education

Bachelor of Engineering **Dec 2020 – Aug 2024**
Electrical and Electronics Engineering – 7.5 CGPA *National Institute Of Engineering, Mysore*

Pre-University Education **May 2018 - Sept 2020**
PCMB – 87.14% *Expert Pre-University College, Mangalore*

Technical Skills

Data structures and Algorithms
Languages: Python, HTML/CSS, SQL
Developer Tools: VS Code, Pycharm, PopSQL, Sublime-text

Projects

Current control in an Inductor **May 2023**

- This project involves regulating the flow of electrical current through the manipulation of a inductor's magnetic field.
- When the measured current inside the inductor exceeds the upper threshold, the hysteresis comparator generates a control signal to switch off the MOSFET.
- On the other hand, when the measured current inside the inductor falls below the lower threshold, the comparator generates a control signal to switch on the MOSFET, allowing current to flow through the inductor and increasing the current.

MultiTone Bell **June 2022**

- A multi tone bell is a call bell. It saves up and down trips by distinguishing between calls made from the front door or a side entrance.
- With the utilization of IC-741 and 3 different types of resistors we accomplished the multitone ring sounds.
- Here we made sure that for different resistors it produces differnt sounds but in apartments it is programmed to ring the specified door when pressed
- By this we can distinguish the doorbell of different rooms in apartments and lodges

Temperature based fan speed control **Sept 2022**

- Temperature sensor LM35 senses the temperature and converts it into an electrical (analog) signal, which is applied to the ATmega328 microcontroller of the Arduino UNO Board
- The analog value is converted into a digital value and thus the sensed values of the temperature and speed of the fan will be displayed on the LCD.

Certifications

Front-end Course | *HTML,CSS,Javascript* **Still Learning**
- A web develpoment course that utilizes HTML,CSS to build websites.
- Actively participating in hands-on projects to apply theoretical concepts and gain practical experience in building responsive and user-friendly web interfaces.
- Using media queries responsive grid layouts can be accomplished.

Hobbies

Football
Travelling

Languages

English
Kannada
Hindi