

Prajakta Kavale



Personal details

-  Prajakta Kavale
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-  7507449332
-  Pune

Skills

Embedded C
C++
Microcontroller Programming
Linux
RTOS
IOT
I2C, SPI, UART, CAN

Education

Post Graduate Diploma In Embedded System and Design

Mar 2023 - Aug 2023

Sunbeam Institute of Technology, Pune

IOT based smart gas and smoke detection system: The sensor detects smoke, LPG, and Carbon Monoxide values and sends them to ESP32 Microcontroller. Then it processes these values and displays these values on the OLED display as well as on the Blynk IoT Platform. It also checks if these values are above the safe level then buzzer starts alarming with a flashing LED.

B.Tech in Electrical Engineering

Aug 2018 - Aug 2022

Dr. Babasaheb Ambedkar Technological University, Raigad

PLC Based Monitoring & Protection of 3-Phase Induction Motors against Various Abnormal Conditions: In this project, low-cost and efficient protection scheme for three phase induction motors is designed against the most commonly occurring abnormal conditions – over current, over voltage and over temperature. This protection scheme makes use of the modern control equipment's used in the industrial processes. The brain of the scheme – Programmable Logic Controller (PLC) – continuously monitors the different parameters of an induction motor and gives an alert message on SCADA (Supervisory control and data acquisition) about any abnormal condition detected, and trips the induction motor if no troubleshooting action is taken within defined time. The design has an additional feature of automatically start of induction motor when fault is removed which mitigates the need of a recloser

Employment

Software Engineer

Oct 2023

Softdel Systems Pune, Pune

Projects:

1. Zigbee Based Smart Lightning System: Ensuring the overall performance and functionality of system by executing unit testing, integration testing, functional testing, sanity testing etc.
2. Power factor correction of HVAC system: Development of bridgless power factor correction method software for renesas based controller using RTOS.