



EDUCATION

B.E. (EEE) - Sri Eshwar College of Engineering, Coimbatore | **CGPA: 7.44*** (upto 5thsem) **2021 - 2025**
HSC – A.V.Rm.V Matriculation Higher Secondary School, Ambasamudram | **84.25%** **2020 - 2021**
SSLC – A.V.Rm.V Matriculation Higher Secondary School, Ambasamudram | **75.8%** **2018 - 2019**

INTERSHIPS & EXPERIENCE

VAct Technologies

December 2023

Valuable insights to **STM32** microcontroller, real time application of micro controllers in embedded system, excelled in **STM32 IDE** for design and visualization of STM32, capable in creating projects using STM32 IDE.

Pantech E-Learning

June 2023

In title of Design of electric vehicle using matlab , learning electric vehicle design, basic of matlab theory, showcasing proficiency in presenting with substantive value and impact.

PROJECTS

Smart Door lock System

Developed a IOT based home automation system to house owner and visitors comfortable. Performed using technologies including WiFi, ESP32, Arduino nano.ESP32 captures the picture of visitor and transfer it the owner's mobile. House owner can aces their door lock from anywhere with the help of telegram bot.

Automatic Vehicle Air conditioner controller

Developed a Vehicle AC temperature controller using STM32 microcontroller, With the ability to adjust the AC's temperature, close and open doors and windows, and turn the unit on and off. Additionally, turn off the air conditioning when the windows or doors are open and alert the passenger.

RESEARCH WORK

Non-Invasive Glucometer (In Review)

Implemented a contactless blood sugar measuring system with sensors, reducing number of pricks to take blood, pain and blood loss. Highlights painless measuring, providing accurate value comparing invasive measurement.

PUBLICATIONS

Renewable energy powered hazardous waste safe incinerator

Developed a trash removal method that heat incineration. The proposed system reduces air pollution and encourages energy conservation, also reduces the landfill. Provides protections against harmful toxic gas emission to the environment. Handy equipment can operate without external power source.

ACHIEVEMENTS & CERTIFICATIONS

MATLAB Onramp | **MathWorks** **2024**
Third place- Mini project expo | **Sri Eshwar College of Engineering** **2023**
Championship | **Sri Eshwar internal Hackathon** **2022**
IP Training program | **Intellectual property india** **2022**

TECHNICAL SKILLS

Programming Languages – C | Embedded C

Core Concepts – Circuit Theory | PLC | Renewable Energy

Tools – Keil | Proteous | KiCAD

Area of Interest – Embedded system