

# Abishek M

13/71/1, Kothampalayam, Pallamaruthapatti (P.O), Pugalur (T.K), Karur-639002

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## ➡ Career Objective

Focused professional with good thinking and team work skills. Aiming to leverage my abilities to successfully fill the required role at your company. Frequently praised as hardworking by my peers, I can be relied upon to help your company achieve its goals.

## ➡ Academic Details

- **BE/ ECE, Mepco Schlenk Engineering College, Sivakasi**  
8.24  
2022
- **HSC, Green Park Matric Higher Secondary School Namakkal**  
91.92%  
2018
- **SSLC, St.Antony's Matric Higher Secondary School Karur**  
96.20%  
2016

## ➡ Project Details

- **Remote control for home appliances (2019)**  
Using TV remote, it can control the home appliances such as fan, light etc..  
Saves Humans time.  
Low Cost and Easy to operate.  
Period : 2 weeks      Team Size: 2  
Role : PCB design and Components arrangement
- **Automatic Parking light for cars (2020)**  
Prevent smashing when the vehicle approaches the parked car using photo transistors.  
Period : 2 weeks      Team Size: 2  
Role : PCB design
- **Implementation of VLSM using Packet Tracer (2021)**  
Variable Length Subnetting Mask(VLSM) is a Network based project.  
Software used: Packet Tracer  
It divides the networks of Variable size (Subnetting of Subnet).  
It avoids wastage of addresses.  
Period : 1 week      Team Size: 2  
Role : Project selection and demonstration
- **Deep learning approach for optimum power management using IoT**

Our first objective is to identify the energy consumption of house-hold and track the daily usage through smart meter measurement.

Our second objective is to find if there is a anomaly in the power usage through deep learning approaches.

The voltage,current, power readings from the house are sent to the blynk application through cloud by ESP-32 and the data is stored and the limit of the power is set and when the measurements exceed the limit the app will notify excess power usage. If the user wants to check for a certain period of time,bhe can use the LSTM autoencoder model to find anomalies in the period of time.

Period : 3 months      Team Size: 2

Role : Project development

## ➡ Field of Interest

- Digital electronics
- C programming
- Embedded systems and IoT

## ➡ Skills

- C programming
- Embedded C
- Verilog programming
- PCB design

## ➡ Industrial Exposure

### **Industrial Visit at:**

- ISRO - Mahendragiri (1 day)
- BEML and HAL - Bangalore (2 days)

### **Implant Training at:**

- Internship on Embedded systems and IoT at NSIC Chennai (2021,1 week)

## ➡ Achievements

- Oxford Achiever English by Oxford university press (2019)
- Won class topper proficiency certificate(2010)
- Won PCM scholarship award in school
- Completed MathWorks Certificate course on MATLAB Onramp(2019)
- Completed Spoken Tutorial Project IIT Bombay offered Certificate course in python 3.4.3
- Completed NPTEL course in Microprocessor and Microcontroller

## ➡ Curricular Activities

### **Co-Curricular**

- Completed NPTEL courses in Internet of Things (2020) in Elite Category
- Completed NPTEL course in Joy of Computing using Python (2020) in covid impacted assignment certification
- Attended PCB design and simulation Workshop at Mepco Schlenk Engineering College(2020)

- Attended Prebytes 2 days workshop on Machine Learning in python (2021)
- Member in Robotics and IETE club
- Completed TCS ION Certificate course in Career edge Knockdown the Lockdown

### Extra-Curricular

- Won 3rd prize in Quiz Competition (Fiesta'20) at Mepco Schlenk Engineering College
- Won third prize in district level Cricket tournament
- Participated in District Level Badminton tournament
- Member of NGC in school and NSS in college
- Diploma in Yoga - Youth Empowerment (2020)
- Member in Photography club

### ➡ Strength

- Being Humble
- Sharing the knowledge
- Determination
- Fast learner
- Punctual
- Taking Responsibility

### ➡ Hobbies

- Watching News
- Playing sports
- Gardening

### ➡ Reference

#### **D Dinesh Kumar**

Assistant professor

Mepco Schlenk Engineering College Sivakasi

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### ➡ Declaration

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Date : 25.07.2022

Place : Karur



(Abishek M)