

SHUNMUGA SUNDARAM K

ELECTRICAL AND ELECTRONICS ENGINEER



OBJECTIVE

Looking for an opportunity where I can utilize my skills and further develop my knowledge and obtain a challenging position and be an integral part of the company.

ACADEMIC PROFILE

Course	Institution	Board / University	Marks %
B.E (EEE)	National Engineering College, Kovilpatti.	Anna University, (2016 -2020)	91.2
HSC	S.J.S.S.J.S Mat.Hr.Sec. School	Matriculation (2016)	87.75
SSLC	S.J.S.S.J.S Mat.Hr.Sec. School	Matriculation (2014)	97.6



Shunmuga Sundaram



Tirunelveli, Tamil Nadu



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SKILLS

- Communication
- ProblemSolving
- Team Work



SOFTWARE PROFICIENCY

ARDUINO IDE

MULTISIM



PROGRAMMING

C

C++



LANGUAGES

ENGLISH

HINDI



PERSONAL INTERESTS

- Calisthenics
- Chess
- Poetry



CO-CURRICULAR ACTIVITIES:

- Won 1st Prize in Project Expo “EPROX-2018” on “Home Automatic System By Using IoT”.
- Won 3rd Prize in “Legal Rights For Women Quiz” conducted by National Commission for Women, New Delhi.
- IEEE student coordinator during (2018 – 2019).



PUBLICATIONS:

- **K.Shunmuga Sundaram**, R.Siva Sornaram, A.G.Naveen Kumar, M.Ranjith King Jimson, B.Venkatasamy,(2020), ‘**SmartVehicle Monitoring System Using OpenCV**’, **IJSTR**, vol.9, no.3, pp.761 - 764, ISSN 2277-8616
- Presented a paper in **IEEE International Conference** on Recent Advances in “**Smart security system for domestic application using GSM and cloud**” in the academic year of (2018-2019).



EXTRA-CURRICULAR ACTIVITIES:

- Graduated as Hindi Pandit on completion of “**Praveen Uttaradh**” by Dakshina Bharat Hindi Prachar Sabha in the year 2012.
- Cracked “**Pravesha**” a course in Sanskrit in Distinction.



PROJECTS:

- **Smart Vehicle Monitoring using Raspberry Pi & Open CV:**

This is a Smart vehicle monitoring system that monitor vehicles in real time that can be used in residential and business complexes to avoid illegal vehicle parking. The camera continuously looks for number plates of vehicles and classify vehicles as Residents/ Visitors by comparing number plate details on database. This can be viewed remotely by a App developed using MIT App Inventor.

Link: <https://youtu.be/Ecoh5oIto0g>

- **Speed regulation and Automation of Fan using IOT with Voice based control:**

This project is a fully automated ceiling fan control using IOT. The PWM signals are send to the Adafruit (MQTT Broker) from Google Assistant via IFTTT. The Node MCU receive the PMM signals via Wifi and the circuit attached to the Node MCU regulates the AC voltage and controls the fan speed.

Link: <https://youtu.be/Z4-PqzuTt2c>



WORKSHOPS:

ATTENDED	CONDUCTED
<ul style="list-style-type: none"> • IOT Asset performance management, NIT Trichy. • Hands on Training in ARDUINO, NEC • Programming for IOT, NEC 	<ul style="list-style-type: none"> • IOT Workshop for IEEE student branch, NEC. • Real Time Data Monitoring, Control via IoT & Apk Development Workshop for College symposium - 2019, NEC. • Automation using IoT workshop, College Symposium – 2020, NEC.



TRAINING AND COURSES:

INPLANT TRAINING	INDUSTRIAL VISIT
<ul style="list-style-type: none"> • Kerala State Electronics Development Corporation Limited (KELTRON), Kerala in the academic year of (2017-2018). • Defence Research And Development Organisation (DRDO) - CVDRE, Avadi, in the academic year of (2018-2019). 	<ul style="list-style-type: none"> • Kerala Electrical and Allied Engineering Company (KEL), Kochin in the academic year of (2018-2019).



DECLARATION:

I, Shunmuga Sundaram, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.

Shunmuga Sundaram K