Shon Mathew

Aspiring Ideapreneur, Team builder and Self Starter

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EXPERIENCE

Industrial Trainee
04-07-2016 - 09-07-2016

Regional Telecom Training Centre

6 days of Industrial training on Basic Telecom Technology at RTTC Trivandrum.

Technical Intern
01-06-2016 - 10-06-2016

Kerala Startup Mission

A course on Raspberry Pi was successfully completed during which python and Noobs was practically realized.

Trainer Intern
01-02-2016 - 10-06-2017

Infusory Designs

Several classes concerning technologies and Technical Workshops for students of various colleges were conducted. Students were taught the practical aspects and applications of their theories they study.

Organizer
13-10-2017 - 14-10-2017

Tesseract 3.0

Tesseract 3.0 was a two-day IEEE program hosted at St. Joseph's College of Engineering and Technology. The Institute of Electrical and Electronics Engineers is the world's largest technical professional organization for the advancement of technology.

Technical Coordinator
01-03-2016 - 01-11-2017

IEEE SJCET Student Branch

Served as the Technical Coordinator for the student branch with over 200 members. Successfully conducted over 18 events along with several Women In Engineering and Computer Society initiatives.

Skills

- Team Building
- Project Coordination
- Creativity

Programming

HTML	C
C++	Python (Basics)
Matlab (Basics)	Verilog (Basics)
MySQL (Basics)	

Technical

Arduino	PIC
Raspberry Pi	Circuits

Software

Proteus	MicroC
Pinnacle Studio	Keil
AVR Studio	Matlab

Interests

Technology | Management

Public Speaking | Controllers

Secure Communication

Languages

English   Malayalam

Tamil

PROJECTS

Propeller Display

Cynosure

This project comprises of circular display of a string of LEDs. Using a high speed motor and some mechanical assembly, LED string mounted on a printed circuit board are duly interfaced to a microcontroller. An appropriate program while executed drives a pair of single line LEDs in space multiplexing mode. This displays some message and or a clock timing taking advantage of persistence of vision of human eye.

Automated Bus Alert System

Mini Project

The project involves wireless detection of bus traffic in bus stations using ZigBee modules. Receivers installed at key points in the bus station are used to detect signals transmitted by ZigBee modules installed in each bus. The signals generated by the each Zigbee module corresponds to information regarding bus route and destination. A visual alert system is used to denote the corresponding arrival of buses.

Obstacle Avoiding Routing Scheme

Major Project

The project involves a data transmission routing scheme using a robotic transceiver. If an obstacle occurs between two wireless communication nodes of a communication system, a robotic transceiver is employed to bypass the obstacle until the communication is re-established.

Education

Electronics and Communication Engineering   Aug-2014 - May-2018

St. Joseph's College of Engineering & Technology, Palai

Volunteer Experience

1. Volunteered at IEEE LINK Camp 2015
2. Volunteered in the International Conference – Global Colloquium on Recent Advancements and Effectual Researches in Engineering, Science and Technology (RAEREST' 16) at SJCET, Palai.
3. Conducted an IEEE workshop on basics of Raspberry pi for 'ENLIGHTEN 1.0' at SJCET, Palai
4. Volunteered in 'ENLIGHTEN 2.0', an event organized by IEEE SB, SJCET.

Reference

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