Piyush Goenka

Career Objective

To achieve high career growth through a continuous learning process, keep myself dynamic, visionary and competitive with the changing scenario of the world and to contribute for the growth of organization

Education

Degree	School/College	University	Passing Year	Percentage/CGPA
B.E (ECE)	Autonomous (VTU)	Nitte Meenakshi Institute of Technology	2020	7.86
XII	PU Board	KLE Society's S Nijalingappa PU College	2016	90%
X	ICSE Board	BP Indian Public School	2014	88%

Projects

1. Line Follower Bot using Arduino
2. Line Follower Bot using 8051
3. Automatic Coin Sorting Bot using LEGO MindStorms and TETRIX
4. Self Driving Car using Arduino
5. Vehicle Parking Safety System using GPS + TI TIVA TM4C123GH6PM
6. FM Transmitter
7. Low Visibility Mode Driver Assist System using TI TIVA TM4C123GH6PM
8. Simulating Rectangular Waveguide in MATLAB
9. Simulating a Dipole Antenna in HFSS
10. Simulating QPSK Modulation and Demodulation in MATLAB
11. Automated Counter for Countdown of Days
12. Sound Localization using Arduino
13. Remote accessing a Computer using TCP/IP Socket Programming in Python
14. Bot that listens to an Audio File and plays Piano and Trumpet (Mocking Bot)

Training and Internship

- 8-week course "Introduction to Embedded Systems" held at Robert Bosch Centre for Cyber-Physical Systems IISc Bangalore (June-July 2017)
- Robotics Engineering course using LEGO MindStorms and TETRIX held at NMIT
- 2 Day Workshop on Quadcopter held at IISc
- 2 Day Workshop on Linux OS and IP Networking at NMIT
- One Week Workshop on Cyber-Security held at NMIT
- One week Workshop on IoT held at NMIT
- Workshop on 'Building For Amazon Alexa' held at Developer Weekend Bangalore

Research Publication

No Publications Yet

Technical Skills

- Programming Languages: C, C++, Python
- Hardware Boards: Arduino, 8051, LPC 1768, Raspberry Pi, TI TIVA TM4C123GH6PM, Atmega 2560
- Tools: MATLAB, Xilinx, HFSS, Keil uVision, Cadence, Atmel Studio, mbed
- Embedded Systems
- Machine Learning
- Audio Processing