Gourav U Hunswadkar

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Carrier Objective:

To work in a healthy, innovative and challenging environment extracting the best out of me, which is conducive to learn and grow at professional as well as personal level.

Academic Qualification:

Qualification	Institute/ University	College/School	Year of Passing	%
10th	Karnataka Secondary Education Examination Board (State Board)	Basel Mission English Medium High School Dharwad-580008	2010	56.8
10th +2	Department of Pre-University Education (State Board)	KLS's PU Science College Haliyal-581329	2012	58.5
B.E.	Visvesvaraya Technological University Belgaum	Vishvanathrao Deshpande Rural Institute of Technology, Haliyal-581329	2016	55.7

Certifications:

Post-Graduation Diploma Course in Embedded System at Technologics, Bangalore (**Aug 2016-Mar 2017**) which focuses on

- Basics of C/C++
- Basics of Linux Internals
- 8051 Microcontroller
- Embedded C
- PIC16F877A Microcontroller
- Basics of TCP/IP, UDP
- Basics of ARM-7(LPC1768) Microcontroller
- Interfacing Modules
- Hardware Designing and Development using Eagle s/w

Project Experience:

CMOS Implementation of Novel Phase Frequency Detector (PFD).

The main purpose of the PFD is to detect the phase difference between reference signal and feedback signal from Voltage Controlled Oscillator (VCO). To minimize the dead zone and power dissipation using MOSFETs.

Software used Xilinx ISE DS v13.3, DSCH2 tool, LT Spice.

IOT based Irrigation System and Ware House Security.

The main idea of this project is to automatically on and off the motor on the basis of data acquisition by the sensor. Moisture sensor is used send the real-time moisture status of soil directly to user on android app. This app provides the facility to turn on and off the motor with the help of the virtual switch. Temperature sensor is implemented to monitor the ware house temperature and IR sensor along with buzzer to monitor the ware house security.

Summer Internship/Workshop:

- **All India Radio, Dharwad - Communication & Broadcasting.**
  - Has acquired knowledge and studied the radio studio and broadcast equipment, hard disk based recording, Live broadcasting, modulation and demodulation techniques, FM and AM transmitter and satellite broadcasting.
- **Robotics Sixth Sense Technology Workshop** – conducted by BITS Pilani, Goa.
- **Mobile Innovation** – organized by ED-Cell in VDRIT Haliyal.
  - Learnt Soldering, Basic tools required for Mobile repair, Flashing, Components of a Mobile phone, Hot air gun.

Technical Skills:

Operating Systems	: Linux Internals.
Technical Platforms	: Xilinx ISE DS 13.3, Keil v4, MPLAB 8.92, EAGLE, Arduino.
Programming Languages	: C and C++, Embedded System.
Microcontrollers known	: 8051, PIC16F877A.
Sensors Interfacing	: IR Sensor, Temperature(LM35), PIR Motion Detector, RF-ID Reader, Ultra Sonic Sensor.
Subjects of Interest	: Digital Electronics, C programming, Verilog.

Extra-Curricular Activities and Achievements:

- Nominated as a volunteer in Avishkar-2015.
- Participated in Innovation Event at Vishvanathrao Deshpande Rural Institute of Technology, Haliyal.

Personal Information:

Hobbies	: Drawing, Site-seeing, Indoor Sport.
Interest	: Driving.
D. O. B	: 26/01/1994
Gender	: Male
Languages Known	: English, Kannada, Marathi, Hindi.
Current Address	: Shri Gurunanda Men's PG, Near R.V. Dental College, J.P Nagar Phase 2, Jayanagar 5th Block, Bangalore-560078
Permanent Address	: S/O. Umesh V Hunswadkar, Tilak Road, Haliyal-581329.
Fathers Contact	: +919448821999

Declaration:

I hereby declare that the above written particulars are true and correct to the best of my knowledge and belief.

Gourav U Hunswadkar