**Shruti Sunil Vani**

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Contact No. 8108569734

**Career Objective**

I want to be part of such organization where I can utilize my skills and knowledge efficiently for organizational growth.

**Personal Qualities**

* Hard working and goal oriented.
* Ability to handle pressures.
* Dedication towards work.
* Flexible team player.

**Academics**

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| --- | --- | --- | --- | --- | --- | --- |
| B.E | May 2017 | Sem 8  7.85 | Sem 7  7.63 | Department of Electronics and Telecommunication Engineering  Pillai HOC College of Engineering and Technology, Mumbai University. | 6.97 |  |
| T.E | May 2016 | Sem 6  6.96 | Sem 5  7.33 |
| S.E | May 2015 | Sem 4  6.86 | Sem 3  6.12 |
| F.E | May 2014 | Sem 2  6.44 | Sem 1  6.59 |
| Class  XII | February  2013 | St. Joseph’s High School and Jr. College, Kalamboli, Maharashtra State Board. | | | 71.17% |
| Class X | March 2011 | C.K.T. Secondary and Higher Secondary School, New Panvel, Maharashtra State Board. | | | 87.64% |

**Technical Qualification**

Languages Software Operating Systems

1.C Language 1. AutoCAD 1.Microsoft windows

2. Basic PL/SQL 2. MATLAB 2.Unix

3. Diptrace

4. SCILAB

**Projects**

**Mini Project 1: Pulse Rate Monitor (SEM V)**

It consists of infrared LED that transmits an (IR)signal through the fingertip of subject. Apart of this light is reflected by the blood cells. the reflected signals is detected by a photo transistor, the changing blood volume with the heartbeats results in train of pulses at output of photo transistor but this voltage level is too small to detect .so an Op-Amp circuit is used to maintain the voltage level .the project is based on Arduino programming. The UNO type of Arduino board was used in this project.

**Mini Project 2: IR Based Car Parking (SEM VI)**

The project involves a system including infrared transmitter and receiver in every lane and a LED & LCD display outside the car parking gate so the person entering parking area can view the LCD display & can decide which lane to enter so as to park the car. this circuit was based on the phase control principle. the main component of this project was the Atmega 328p microcontroller.

**Major Project: Soldier Tracking And Health Monitoring System ( Final Year Project )**

In this project we are trying to track location of soldier using GPS, also trying to get his health parameters with the help of biosensors and this information will be send to base station using GSM. The project is basically consists of two units soldier’s unit and the control unit . the soldier’s unit is consists of the body area sensor network such as heart beat sensor used to sense the health status. The heartbeats sensed by the sensor is given to the microcontroller PIC 16F877A. This sensed analog signal is converted into digital signal using ADC built inside the controller and compared with normal pulse rate & if any discrepancy occurs into this sensed signal and normal signal than it will be consider as emergency. same in case of location tracking using GPS . this data is than send to the control unit with the help of ZigBee module used as wireless transmission device. the army base station consists of PC & ZigBee transceiver. The ZigBee module will be connected to PC with the help of a RS232 cable. The data coming from ZigBee module will be displayed on PC screen using a software Putty.

**Extra Curricular Activities**

**Technical:**

* Participated in the workshops on Arduino and PCB designing organized at college level during technical fests in August 2015.
* Internship at Central Railways for a period of 16 days from 27-06-2016 to 12-07-2016 in following fields :-

1. Traffic Management System (TMS)
2. Optical Fiber Communication (OFC).
3. Indian Railway Indicator System.

**Personal Details**

**Date of Birth:** 30-04-1995

**Address:** Neel darshan, plot no-14,flat no-2,sec-12,vijay marg ,New panvel-410-206

**Nationality:** Indian

**Marital Status:** Single

**Languages Known:** English, Hindi, Marathi

**Hobbies:** Sketching, listening music, traveling.

I, hereby declare that the above statements are true to the best of my knowledge and belief.

Date: Yours Truly

Place: Panvel. ( Shruti Sunil Vani )