Divya Patange

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+919595929216

**Career Objective: -**

To enhanced my skills with the organization so that I can grow professionally and technically. I would like to take up challenging in the field of business development in order to achieve goal of organization and to get involve in its corporate social responsibility.

**Academic Details: -**

* Pursuing M. Tech (2nd year) in Electronics from RTMNU\*

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| --- | --- | --- | --- |
| YEAR | DEGREE/CERTIFICATE | UNIVERSITY/BOARD | PERCENTAGE/CGPA |
| 2014-2018 | B.E.(ETC) | RTMNU | 6.51 |
| MARCH-2014 | HSC | MAHARASHTRA STATE BOARD | 76.96 % |
| MARCH-2012 | SSC | MAHARASHTRA STATE BOARD | 89.64 % |

**Note: -** \*Rashtrasant Tukdoji Maharaj Nagpur University

**Internship & Training: -**

* Training on Embedded C & Python at VSIPL Technology
* Training on Arduino based project at VSIPL Technology

**Internship Under: -** Sandeep Sonaskar (General Manager)

**Project: -**Load Switching using Mobile Phone

The idea behind this project is to make easy life for people. In this project we are building a home automation system, where one can control the home appliances, using GSM based phone. In this project, smart phone is needed to switch ON and OFF any home electronic appliances, from anywhere. In this project, Arduino is used for controlling whole the process. Here we have used GSM wireless communication for controlling home appliances.

We send some commands like “#A.light on\*”, “#A.light off\*” and so on for controlling AC home appliances. After receiving given commands by Arduino through GSM, Arduino send signal to relays, to switch ON or OFF  the home appliances using a relay driver.

**Co-curricular Activities: -**

* Attended Workshop on “Aqua-botix”
* Participated in Power Point Presentation
* Attended Workshop on “Digital VLSI Design & Verification”

**Extracurricular Activities: -**

* Participated in National Level Skit Play
* Participated in Project Competition
* Participated in Aqua-botix
* Participated in Roborace

**Computer Proficiency: -**

Languages: - C and C++

Operating System: -Windows 8, Windows 10, Ubuntu

**Project Work: -**

**Mini Project on Remote Control Home Appliances**

Remote control for Home appliances is an absolute necessity in our fast-paced life. As a result, much important has been given to this aspect and a range of remote controls are prevalent today. One of the most common is that which makes use of IR radiations at particular frequencies. Our product is a Remote Operated Home Appliance. The circuit is connected to any of the home appliances (lamp, fan, radio, etc.) to make the appliance turn on/off from a TV, VCD, DVD remote control. The circuit can be activated up to 10 meters.

**Project Guide: - H.O.D.(ETC/ETRX): -**

**Prof. Amit Kale Dr. Salim Chavhan**

**Other Achievement: -**

* Member of IETE Student Forum
* 3rd Position in Project Competition

**Final Year Project Work: -**

**Wheelchair cum Stretcher**

* **Tools Used: -**
* Arduino Uno Software/Hardware
* GSM Module
* Bluetooth Module

In this project, we invented a wheelchair cum stretcher which is operated through mobile phone as a touchpad. The automated wheelchair cum stretcher helps patients supporting staff by eliminating their energy for transferring patient from one bed to another. The movement of wheelchair is controlled by finger tips. A patient can himself is able to control the movement of the chair and instead of patient; another person can also be able to operate the wheelchair. In this project, we use Arduino for programming of motion of wheelchair and through Bluetooth module we operated the wheelchair. In mobile phone we have to turn on the Bluetooth and pair it with Bluetooth module HC-05. After pairing we have to open Bluetooth Robo Control application in which buttons are provided for the motions of wheelchair. The buzzer will beep in case of any help required to patient. Also, GSM module deliver message to the person whose number is configured in the program in case of no one is at home. GSM application ensures patient safety when the patients need help. The main advantage of this wheelchair is that it is controlled wirelessly and it is easy to operate with no physical effort.

**Project Guide: - H.O.D. (ETC/ETRX): -**

**DR. PRATIK HAJARE DR. SALIM CHAVHAN**

**Personal Profile: -**

Father Name : - Dharmaraj Patange

Mother Name : - Sunanda Patange

Date of Birth : - 24/07/1997

Leisure Activities: - Playing Badminton, Making Craft, Drawing & Listening Song

Nationality : - Indian

Marital Status : - Unmarried

Address : - Golibar Square, Patvi Galli Near Udaram Pehalwan House, Nagpur-18

**Declaration: -**

I hereby declare that all the above information is true to the best of my knowledge and belief.

Place: - Nagpur

Date: -

Divya Patange