**LAJUL SONI**

**ELECTRONICS & COMMUNICATION ENGINEERING**

**Babulal Tarabai Institute of Research & Technology**

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**Objective:**

To work in an environment which provides more avenues or opportunities for learning in the field of Testing or developer.

**Educational Qualification:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Certificate/Degree** | **College / University Name** | **Passing** | **%age /CGPA** |
| B.E.(ECE) | BabulalTarabai Institute of Research & Technology | 2016 | 7.54 |
| HSC | Govt.Excellence School, Saugor (M.P.) | 2012 | 84.4 |
| SSC | Govt.Excellence School, Saugor (M.P.) | 2010 | 87.3 |

**Training:**

* Advanced Course in Embedded System from **VECTOR INDIA PVT. LTD.**
* Duration: 6 – months.

**Technical Skills:**

* **Languages:**

C, C++, Socket programming, Embedded C, Python,Shell Programming.

* **Protocol:**

TCP/IP, I2C, SPI, UART

* **Tools &libraries**

Keil, Proteus, Xilinx, MATLAB, Microsoft office, Virtual machine, Multisim.

* **Operating SYSTEM:**

Linux, Windows XP, 7,8, 10

**Project #1:**

**Project Title :** Set Top Box.

**Tool :** GCC - GNU.

**Description:** A set-top box is a hardware device that allows a digital signal to

be received, decoded and displayed on a television. The signal can be a television

signal or Internet data and is received via cable or telephone connection.

**Project #2:**

**Project Title :** AUDIO GATEWAY.

**Tool : GCC - GNU.**

**Role and Responsibilities:**

1.stablishing a connection between server & client using the UDP Protocols.

2.Transmitting the Audio packets by using the UDP Protocols.

**Description :**

1. There are n no of users on the audio conference call

2. Each active user is sending audio packets to a centralized Wi-Fi based Hub .

3. Hub is receiving all the packets and sends to each user all the packets

except for its own packet .

4. Basically audio conferencing objective should be met with hub doing

everything and sending one combined packet to each user in real time.

**Project #3:**

**Project Title :**Implementing a Driver for DHT11 Sensor.

**Tools :** Gdb,Git, Ctags.

**Tool chain :** Arm - Linux - gcc Tool Chain

**Roles and Responsibilities** :

* Kernel building for target board.
* Analyzing the logs .
* Resolving the kernel oops with Gdb tool.

**Description:** DHT11 sensor measures the temperature and humidity,

It mainly used in domestic and industrial purposes. Driver code here is getting a data transfer to user mode.

**Project #4:**

**Project Title** : BROAD BRING UP.

**Hardware** : MSM M8909/8905-S

**Tool** : QPST tools (QFLASH, QFIL,QCN)Ubuntu 14.04 version.

**Module** : LYF mobile

**Roles and responsibilities:**

* + Downloaded source code from github.
  + Built that source code for LYF mobile .
  + Flashed LYF mobile using Qflash tool.
  + Verified build version and applications working in LYF mobile .

**Project #5:**

**Project Title :** Sophisticated Sign Board Power Saving System.

* This Project is designed for power saving achieved by scheduling the device on-off timings properly, which is done by microcontroller.
* First monthly calendar database is designed by making use of keypad and RTC and after that device on-off timings will be scheduled and saved in EEPROM using I2C protocol.

**Achievements:**

* I qualified National Means-Cum-Merit **Scholarship** Exam in 1st attempt in 2009 and become eligible for scholarship.

**Personal Strength:**

* Goal Oriented.
* Self-Confident.
* Patience.

**Extra Curricular Activities:**

* Help to organize blood donation camp in college.

**Hobbies:**

* Daily physical workout.
* Bike riding.
* Making new friends.

**Personal Profile:**

Father’s Name : Bhagirath Soni

Mother’s Name : Shashi Soni

Gender : Male

Nationality : Indian

Language Known : Hindi, English

**Declaration:**

I hereby declare that all the details given above are true to the best of my knowledge and belief.

**Place:**

**Date: Lajul Soni**