**GOVIND CHAUHAN**

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**Educational -Qualification**

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| --- | --- | --- | --- |
| **Qualification** | **University/Board** | **Year of passing** | **Percentage/CGPA** |
| B. Tech (ECE) | HNB Garhwal University | 2023 | 7.11 CGPA |
| 12th | CBSE | 2018 | 65.8% |
| 10th | CBSE | 2016 | 8.2CGPA |

**Projects:-**

**Obstacle avoidance Robot using Arduino uno(B-tech college project )**

* Developed an Obstacle Avoiding Robot capable of detecting and avoiding obstacles.
* Utilized advanced concepts of C language, electronic sensors, and motor drivers.
* It is built on the Arduino microcontroller platform and used the motor driver module Bluetooth module.

**Digital Clock using Nuvoton Microcontroller 8051 (ms51fb9ae)**

* Digital clock interface with **RTC MCP7940N** with automating battery control feedback power and data input in RTC through 2 keypad using ADC and data send to seven segment by **74hc595** and **74hc245** on Seven segment at one time.

**Attendance Monitoring system using STM32**

* Monitoring Attendance by Entering data using keypad 4x4 and store data in memory **(24c64)**with **RTC(MCP7940M)** update date and time on **LCD 2x16.**
* **24c64** interface with **I2C** to get and store exact data to memory and RTC also interface with I2C update date and time with crystal **32.768kHz.**

**Chemical Dispenser using STM32**

* Controlling 24v motor with 720rpm with different level of measurement in ml and sensing current through it while motor running.
* Current sense by differential amplifier **LM358** with high and low level of precession and store data in memory to update chemical dispenser while sudden cut-off.
* Current sensing through **ADC** by **DMA .**

**Work-Experience :-**

**R&D Engineer, Live Smart Solution Pvt Ltd, Delhi**. (24 August 2023 – till Date)

* Developing Signage Animator Controller and Program.
* Coding and Design Attendance Monitoring System(AMS)**.**
* Coding and Design Chemical Dispenser **(CD).**
* Design PCB Through Dip trace.

**Skill**

* **Programming language:** Embedded C, C Language.
* **Designing and Programming tool:** Stmcube ide, MP Lab x, Altium ,Dip trace,Keil uVision.
* **Microcontroller:** STM32, AVR ,Arduino, Nuvoton 8051.
* **Embedded Systems:** Microcontroller Programming, Peripheral Interface (UART, I2C, SPI,DMA).

**Declaration**

The above information is true to the best of my knowledge and belief.

**Place:**

**Date:**

**Signature:- Govind Chauhan**