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Objective

I am looking for challenging career opportunity in some best Companies . The ideal profile will help me leverage my knowledge and technical skills . The ideal place will be an organisation where I can continue to learn,sharpen my skills while adding value to the organisation.

Education

- **Vidya college of engineering**
  Bachelor of technology 2018-22
  Percentage : 77.3%
- **Monnet D.A.V Public School**
  Higher secondary 2018
  Percentage : 63.3%
- **Monnet D.A.V Public School**
  High School 2016
  Percentage : 70.3%

Skills

- C++ Programming
- Python
- C language
- PCB Design (Eagle)
- Embedded System
- Electronic Devices
- Computer Networking
- Interpersonal skills
- Complex problem-solving skills and a methodical mind
- Time management and an ability to prioritise and plan work effectively

Projects

- **CNC PLOTTER MACHINE FOR PCB DESIGNING**
  CNC plotter machine is described as it is based on Arduino controller and CNC shield. CNC is computer numerical control machine. G codes are preparatory Function. G codes are pre-defining Function Associated with the movement on machine axes. In CNC Plotter Machine Only G codes are used. G codes are giving the Direction to move the pen in X, Y directions. Pen can be changed by tools of drilling, laser cutting tool, milling it can be worked, if it is made in large size. The aim of over is to make a mini CNC plotter machine which is capable to draw difficult design in paper or surface of metal, to cut it with a great accuracy. We have used 2 stepper motors with lead screw in Cartesian Coordinate X, Y directions. Stepper motor is convert digital pulse into lead screw rotations. Stepper drivers are used to give command to the system. The main aim is to fabricate a CNC plotter Machine to draw an object with using G codes. We also work on to reduced.
  Cost of the project and increase Reliability and Flexibility. In we have replace pen with mechanical tools drilling, grinding, machining etc. This will be used for soft material cutting or machining, laser cutting machine tool is also worked on this setup.

- **SCHEDULE MANAGEMENT SYSTEM (SMS)**
  This project Schedule Management System basically used to allocate a schedule to a specific trainer and this allocation will be done by admin .
  Once the Admin will logged in using username and password then he will able to perform 5 operations :
  1. Creates new Training Schedule .
  2. Update the existing training schedule .
  3. Allocate schedule to a specific trainer .
  4. Genearte all training report in excel sheet .
  5. Quit application .
  Now if the faculty logged in using the username and password Then he will able to see trainings assigned to him and if he/she wants then they cancel the trainings assigned to him.
- **FOOT STEP ELECTRICITY GENERATOR**
  This project is to develop a new source of renewable energy with low-cost budget with the help of Arduino Uno as the microcontroller. The footstep power generation system is to capture the typically wasted energy surrounding a system and transforming it into electrical energy. The technique used in gaining the energy is via piezoelectric materials. This method employs piezoelectric components where deformations created by dissimilar means are directly transformed into electrical charge through piezoelectric effect. Afterwards, the electrical energy can be regulated or stored for further use. In this project, we are generating electrical power as a non-conventional method by simply walking or running as the input source. The piezoelectric sensor will then send the signal into the Arduino Uno and transform it into electrical energy. The LCD will then displayed the amount of voltage generated by the circuit. The highest voltage generated in this project is 8.29 V. Then, the voltage stored in the battery can be used to charge the mobile phone or any other purpose.
- **HOME AUTOMATION**
  The main objective of this project is to develop a home automation system using an Arduino board with Bluetooth being remotely controlled by any Android OS smart phone. As technology is advancing so houses are also getting smarter. Modern houses are gradually shifting from conventional switches to centralized control system, involving remote controlled switches. Presently, conventional wall switches located in different parts of the house makes it difficult for the user to go near them to operate. Even more it becomes more difficult for the elderly or physically handicapped people to do so. Remote controlled home automation system provides a most modern solution with smart phones. In order to achieve this, a Bluetooth module is interfaced to the Arduino board at the receiver end while on the transmitter end, a GUI application on the cell phone sends ON/OFF commands to the receiver where loads are connected. By touching the specified location on the GUI, the loads can be turned ON/OFF remotely through this technology.

Achievements & Awards

- 1st Prize in quiz held in our college in the year 2021
- Got first prize in Science Exhibition in the year 2019
- Secured 2nd rank in " International Olympiad Informatics " in the year 2017

Languages

- English
- Hindi

HOBBIES

- Travelling
- Planting trees
- Listening Music