Parshwa Shah

Electronics and Communication Engineer

Projects

Foot Step Power Generation **2019-2020**

•In this project we are generating electrical power as non-conventional method by simply walk on floor.
•The motto of this research work is to solve energy crisis some how.

Smart Spectacles for Blind People **2020-2021**

•We have made this smart spectacles to provide comfort to the blind people with our little technical support.
•The motto of this research work is provide safety for blind people.

Patient Health Monitoring System **2021-2022**

In this project, we have designed the IoT Based Patient Health Monitoring System using ESP8266 & Arduino.

Languages

•Gujarati

•Hindi

•English

Education

Bachelor of Engineering **2019-2023**

Vishwakarma
Government
Engineering College
8.02 CPI

HSC **2018-2019**

Sheth C.N. Vidhyalaya
12th-68%

SSC **2016-2017**

Sheth C.N. Vidhyalaya
10th-85%

Skills

Computer Networking
C Programming
HTML, CSS
IOT, Basics Of AI, ML

INTREST

Playing Cricket
Exploring
Exercising
Chess
Bike Riding

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Parshwa Shah

Electronics and Communication Engineer

Projects

Foot Step Power Generation **2019-2020**

•In this project we are generating electrical power as non-conventional method by simply walk on floor.
•When ever force is applied on piezoelectric crystals that force is converted Electric energy is used to drive DC loads and that Voltage which is stored in the battery. Battery is connected to inverter. Inverter convert the D. C. Voltage into A. C. Voltage. This A. C. Voltage is used to activate the loads. We are using conventional battery charging unit also for giving supply to the circuitry.

Smart Spectacles for Blind People **2020-2021**

These SPECTACLES are designed for blind people. The concept of obstacle detection by SONAR sensor has been used here. As soon as the obstacle is detected by the sensor, its distance it sent to the Arduino. We convert the distance into centimeters from milliseconds and the check whether the distance of obstacle is less than 3m, if yes then we send the output through a buzzer. The beeping of the buzzer is directly proportional to the distance of the obstacle from human.

Patient Health Monitoring System **2021-2022**

In this project, we have designed the IoT Based Patient Health Monitoring System using ESP8266 & Arduino.
The IoT platform used in this project is ThingSpeak. ThingSpeak is an open-source Internet of Things (IoT) application and API to store and retrieve data from things using the HTTP protocol over the Internet or via a Local Area Network. This IoT device could read the pulse rate and measure the surrounding temperature. It continuously monitors the pulse rate and surrounding temperature and updates them to an IoT platform.

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SSC **2016-2017**

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10th-85%

Skills

Computer Networks
C Programming Language
HTML, CSS
I.O.T. , Basics Of A.I., M.L.

INTREST

Outdoor sports
Exploring

Languages

•Gujarati

•Hindi

•English

Personal Details

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