DHIRAJ MANGAL PATIL
B.Tech. - Electronics & Telecommunication Engineering - MITAOE
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Pune, Maharashtra, India - 412105

EDUCATION

Savitribai Phule Pune University   2019 - 2023
B.Tech. - Electronics & Telecommunication Engineering - MITAOE | CGPA: **7.49 / 10.00**

ASC college Chopda, Chopda   2019
12th | MSBSHSE | Percentage: **78.00 / 100.00**

Pankaj Vidyalaya, Chopda, Chopda   2017
10th | MSBSHSE | Percentage: **90.40 / 100.00**

PROJECTS

Digital Infrared Thermometer with pulse Oximeter   Aug. 2, 2020 - June 30, 2021
Mentor: Prof. Savita Pawar | **Team Size:** 4

Key Skills: Embedded Systems   Arduino   Sensors   I2C

During covid-19 it was very important to monitor temperature and SpO2 level of a person. People need the device which can tell them that they are covid infected or not. So we had successfully designed and developed Digital IR Thermometer with Pulse oximeter. The device checks the readings of temperature and SpO2 level and shows the result by glowing Green and Red LED. The Green LED indicates that readings are normal and you are safe. And Red LED indicates that you have to consult the doctor as early as possible.
Project link: https://drive.google.com/folderview?id=1VRfDhyygcrVDNA5ypuPUhfm8pY4uWq_M

Unmanned Aerial Vehicle(UAV) For Low Payload Delivery   Aug. 1, 2021
Mentor: Prof. Vinayak Kulkarni | **Team Size:** 4

Key Skills: Robotics   Sensors   Machine Learning

There are various problems faced by peoples live in remote places. In the situation like flood, bad construction or unavailability of the roads there is unnecessary delay in transportation of life essential products at remote places. So "Unmanned Aerial Vehicle" is best for transportation of life essentials at remote areas and situations like flood. This helps in reduction of unnecessary delay in transportation of life essentials. Efficient and economical UAV healthcare delivery will potentially save lives. The UAV will work on vision guided system.

ASSESSMENTS / CERTIFICATIONS

Introduction to IOT(Cisco Networking Academy) || Crazy About Arduino(Udemy)
The fundamental of Internet Of Things studied with the hands-on assignments in Cisco Packet Tracer. And Fundamental structure and programming of Arduino is studied and understood with hands-on hardware projects for each module.

Python for Everybody(Coursera)
The fundamentals of Python like variables, if-else, for, while loop, functions and lambda function, data structures and basic algorithms studied with satisfactory understanding and knowledge. The are data visualisation libraries like seaborn and matplotlib are discussed with practical implementation.

SEMINARS / TRAININGS / WORKSHOPS

Zensar Employability Skill Development Program-2022 **Institute Name:** Zensar Technologies   Aug. 26, 2021 - June 5, 2022
This skill development program includes training on SQL, Python, Java, Advanced Java, Professional skills.

FSM Summer Internship Program 2022   April 30, 2022 - May 1, 2022
Institute Name: IITD-AIA Foundation For Smart Manufacturing(FSM)
There were different sections for level1 related to smart manufacturing like Industrial Internet of Things, Robotics, Machine learning, Augumented Reality, Industrial Automation, Smart Sensing, Smart Machines and Predictive Maintenace. And specialization tracks Machine Learning, Robotics and Internet of Things.

Embedded Trainee Engineer   March 23, 2021 - April 4, 2021
Institute Name: Anand Techno Creations
The training was mainly focused on how to design the Automatic sanitizer dispenser machine. There they also taught basic details of microcontroller, solenoid valve, proximity sensor and other required components.

PERSONAL INTERESTS / HOBBIES

- Sports
- Reading
- Travelling

- Music

PERSONAL DETAILS

Gender: Male
Marital Status: Unmarried
Current Address: Dehu Phata Alandi, Pune, Maharashtra, India - 412105
Emails: dmpatil@mitaoe.ac.in , dmpatil4546@gmail.com

Date of Birth: March 23, 2001
Known Languages: Marathi, Hindi, English
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