

Mahantesh.R

PES Boys Hostel, PES University, Bangalore.

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Education

PES University

B.TECH, GPA: 8.74/10.0

- Majors in Electronics and Communication

Bangalore, Karnataka - 560085

May 2020

PECT's PU College

INTERMEDIATE, PERCENTAGE: 92.66%

- Karnataka State Board

Raichur, Karnataka - 584103

2016

KWT's PBSK CBSE School

MATRICULATION, GPA: 8.8/10.0

- CBSE Board

Raichur, Karnataka - 584103

2014

Skills

Programming C, C++, python, Vivado.

Networking and simulation Wireshark Basics, Proteus.

Languages Kannada, English, Telugu, Hindi.

Soft skills Teamwork, Punctuality, Dedicated.

Projects

e-yantra National level Robotics Competition 2018-19

IIT Bombay, PES University

FINALISTS.

Sept 2018 - April 2019

- Theme - Homecoming
- The arena for the theme was an abstraction of an ecosystem in a grid-form.
- The goal was to devise an autonomous robot(Firebird-V) which has an arm mechanism built upon it, to negotiate a path on the arena to visit the Animals and Habitats and to identify them using Machine Learning algorithms. It then picks up the identified Animals and places them in their respective Habitat on the arena.
- The challenges and learning components in this theme included Machine Learning for identification (of Animals and Habitats), sensor interfacing, path planning, and designing of a mechanism for picking and placing the Animals.
- Detailed Project Insight link – https://github.com/MahanteshR/eYRC_2018
- Project Demonstration link <https://youtu.be/SdBYND9Kq04>

Public Garden Automation System using 8051uc.

- Project to build a system that monitors the external environment continuously and takes necessary action to normalize the condition.
- Monitoring the moisture content of the soil at regular intervals and accordingly open or close the solenoid valve to water the garden.
- Inputs from the moisture sensor were fed to 8051 micro controller which was programmed using embedded C to turn on the valve if necessary using relay.
- Monitoring the garden lights using LDR sensor.

Project Based Learning - Configuring BGP using GNS3.

- Configuring Autonomous Systems in the iBGP and eBGP network using Routers.
- Passing packets from one end of an AS to another end of an AS to verify whether a BGP protocol has been established through Wireshark Packet Analysis.

Extra-Curricular Activities

Data Structures and Algorithms on Coursera

- Online course - University of California San Diego.

Artworks

- Portrait Sketching, Digital Sketching.
- Few of my works – https://www.instagram.com/mahantesh._r/