KARTHIK RUDRAPPA GANIGER

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CAREER OBJECTIVE:

To get a platform where I can work with interest and improve my knowledge skills.

EDUCATIONAL DETAILS:

EXAMINATION	BOARD/UNIVERSITY	INSTITUTION	AGGREGATE
2018-22 B.E	Vishveshwaraya Technological University (VTU), Belagavi	SDMCET DHARWAD (E&C branch)	8.42
2018 PUC II	State Board of Secondary Education	ARYABHATA P U SCIENCE COLLEGE DHARWAD	69.83%
2016 SSLC	Central Board of Secondary Education (CBSE)	KENDRIYA VIDYALAYA, DHARWAD	70.98%

TECHNICAL SKILLS:

Programming language : Basic C, PYTHON, SQL, Web technology
Tools used : Keil, Cadence, Matlab, SQL plus, PyCharm
OS worked : Windows
Skill set : VLSI, Digital Electronics, Python

PROJECT UNDERTAKEN:

Project Name: Automatic Human following Robot

Description:

The goal of the project is to present the development of the robot following the target, capable of identifying its leader and following to its position relative to the leader. We have learnt the working of Arduino board with programming knowledge. This project can be designed and developed at low cost. In this project, we learnt additional skills such as circuit design, assembling the components and also the team work handling.

Project Name: Object Detection using Color Attributes

Description:

Project mainly focuses on detecting the objects present in the given image. Initially specified images are imported from its location. Then by using open-cv respective images are subjected to color detection process. Converting the input image into HSV format gives the chance of detecting the required color of the object. Once the color is detected, a rectangle box is bounded around the object and labelled.

Project Name: Performance analysis of 2D transforms in Image Processing

Description:

In our project, we are looking at images both in the time domain and the frequency domain. We make an effort to demonstrate how different Fourier and Wavelet transforms relate to the reconstruction of an image in relation to the number of samples used. The performance of each transform is examined using the peak signal to noise ratio, the signal to noise ratio, and the root mean square error. According to the results, wavelet is superior to the Fourier transform, and the RMSE rises as the number of samples decreases.

CO-CURRICULAR:

- Represented as member of Electronics and Communication branch in UGC program.
- Field work and case study on automatic opening and closing of gates in BRTS (Bus Rapid transportation service).

PERSONAL DETAILS:

Date of birth : 02/01/2001
Gender : Male
Nationality : Indian
Father's name : Rudrappa Ganiger
Mother's name : Ashwini Ganiger
Language known : English, Hindi, Kannada

DECLARATION: I consider myself familiar with Electronics and Communication Engineering aspects and I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Place: DHARWAD Karthik Rudrappa Ganiger