Mr.GANESH K.

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Work Experience: 10 Years

Educational Qualification:

- Registered Ph.D in 2013 (Completed comprehensive viva)

- M.Tech (Digital Electronics) from BVB College   of Engineering and Technology, Hubli,2010

- B.E (Electronics and Communication Engineering) from G.M Institute of Technology, Davangere , 2007

Core Subjects Taught:

Digital Signal Processing, Embedded system design, DSP algorithms and Architecture, Multimedia Communication, Information theory and coding, Image Processing, Digital Electronics, Electronic Instrumentation,   Hardware   Descriptions   Language,   Basic Electronics.

Awards:

 "A new quality metric for pyramid image fusion" was submitted in National conference, NICS 2010 organized by Manipal Centre for Information Science,
Manipal Universiy, held at Manipal in April 2010, was awarded 1st prize under Healthcare and IT category.

Recognitions:

- Invited as chief guest for talk on Innovations in science and technology on occasion of National science day at St. Johns PU College, Harihara on 28th Feb 2020

- Invited as chief guest for inaugural of the function "WIZONICS 2018-19" at Electronics and Communication department at GM institute of Technology, Davanagere on 4th Sept 2018

- Student Project entitled "An automatic shruti detection system to help novice singers" was selected for Texas Instruments India Analog Design Contest – Innovation Challenge 2013.

- Student project entitled "UAV (Unmanned Aerial Vehicle) and UGV (Unmanned Ground vehicle)" was recognized by DRDO.

Publications:

- Performance Analysis of CWSSIM Video Quality Metric with Different Window Size on LIVE Database, *IEEE conference journal CTCEEC, pp - 263- 266*

- Springer journal entitled "Image Fusion Frame Work" in

Communications in Computer and Information Science Volume 142, 2011, pp 653-657

Workshops Conducted:

- Resource person for Internet of Things(IOT) workshop at PES College of Engineering, Mandya, conducted by FSMK, from 19th Jan 2019 to 24th Jan 2019.

- Conducted workshop for students of 10th standard about "Basics of Electronics" at Mahila Samaja High School, Davanagere on 16th Jan 2020

- Resource person for one week workshop on "Image Processing using MATLAB with Hands on Experience" for final year students of Telecommunication Engineering at Sri Siddartha Institute of Technology, Tumakuru, Davanagere, during 8th to 12th January 2018

- Resource person for two days workshop on "Fundamentals of Digital Image Processing and its Application using MATLAB" between 26th and 27th Oct 2018

- Resource person for two days workshop on "Basics of Image Processing Using MATLAB" organized by Dept of Electronics and Telecommunication Engineering, College of Engineering, Osmanabad, Maharashtra on 18th and 19th Aug 2017

- Resource person for two days workshop on "Basics of Image Processing Using MATLAB" organized by Dept of CS&E, College of Engineering, Osmanabad, Maharashtra on 16th and 17th Aug 2017

- Resource person for "Two days workshop on signal processing using MATLAB and Android Apps" organized by Dept of E&CE, SJMIT, Chitradurga on 18 th and 19 th April 2016 • Resource person for two days "Introductory workshop on
MATLAB and Signal Processing" at Dept of E&CE, BIET, Davanagere, on 3rd and 4th July 2015

Seminars/Workshops attended:

- Attended two days workshop NeuroAI – Symposium at the interface of Neuroscience and Data Sciece, at Infosys campus, Bengaluru on 3rd Aug 2019.

- Paper entitled "Performance analysis of CWSSIM video quality metric with different window size on LIVE database" has been selected for IEEE International Conference on Current Trends in Computer, Electrical, Electronics & Communication (ICCTCEEC-2017) to be held on 8th & 9th September 2017

- **Presented the paper entitled "An approach for Validation of Improved Feature Point Detection in Human Retinal Recognition" in International Conference on Current Trends in Engineering, Science and Technology at Ku Home, Kasetsart University, Bangkok(Thailand) on 6th and 7th Jan 2017**

- **Presented paper entitled "Disease detection in Paddy Using Image Processing" in International Conference on Signal Processing, Communication and Computational Research (ICSPCCR 2016)**

- Faculty Development program on "Image Processing & its Application" organized by Department of Electronics & Communication Engineering , BIET, Davangere in association with IETE Shimoga Sub Centre from 29th to 30th October 2014.

- Three days Faculty Development Program on "Research methodologies and Latex" oraganized by VTU, Belagavi in Shree Devi Institute of Technology, Kenjaru, Mangaluru, from 09th to 11th September 2014

- Two days work shop on "LabView and Its Applications" organized by BIET, Davangere in association with Trident Technologies, Bangalore on 2nd and 3rd Aug 2012.

- Medical Cybernetics sponsored by VGST, Govt. of Karnataka, organized by PDA College of Engineering, Gulbarga in Nov 2012

- "Android application development" organized by K.L.E Institute of Technology, 2012

- "Digital Design using FPGA" organized by BVBCET on 9th Feb, 2008

Projects of social relevance :

- Involved in "Project Aavishkaar", a program to explore the concepts of science, electronics and robotics, through experimental teaching, to rural and Govt. school students in an age appropriate manner. It brings them to the main stream of technology for sustainable development and enhances their opportunities in Digital India.