

## ***Dr. Kiran Kumar G H***

Associate Professor  
Department of E & C E  
BIET, Davangere

e-mail:

[kiran.gungiganur@gmail.com](mailto:kiran.gungiganur@gmail.com)

[kirangh\\_ece@bietdvg.edu](mailto:kirangh_ece@bietdvg.edu)



### ***Work Experience :20 Years***

- Working in the Department of Electronics and Communication Engineering at Bapuji Institute of Engineering and Technology, Davangere since 02-08-2004.

### ***Educational Qualification:***

- Ph.D. in Electrical Science Engineering from VTU, Belagavi, Aug 2022.
- M.Tech in Digital Electronics from BVBCET, Hubli, VTU, 2003 first class with Distinction.
- B.E in Electronics and Communication from SJMIT,Chitradurga, Kuvempu University, Nov - 2000 first class.

### ***Roles and Responsibilities:***

- Recognized Research Supervisor, VTU, Belagavi
- Member, Board of Examiners (BOE), VTU from 1-1-2024 to 31-12-2024.

### ***Awards:***

- Awarded for having been responsible for Cent-percent result in teaching the subject “Operation Research and Management” during 2007-08.
- Project entitled “Real Time Data Acquisition using Bluetooth” was sponsored by KSCST, Bangalore, 2005-06.

- Project entitled “FM based Data Transmission to Control Remote Applications” was sponsored by KSCST, Bangalore, 2006-07.

### ***Membership:***

- Life Member of Indian Society for Technical Education : LM43287
- Life Member of Institute of Electronics & Telecommunication Engineers : M219038
- Life Member of Institute of Engineers(India) : M1656427

### ***Core Subjects Taught:***

Network Analysis, Signals and Systems, Control Systems, Basic Electronics, Analog and Digital Communication, Multimedia Communication, Information Theory and Coding, Optical Fiber Communication, Cellular Mobile Communication, Global System for Mobile Communication, Artificial Neural Network.

### ***Seminar/ Workshops Organized:***

- *AICTE-ISTE Sponsored One Week Refresher Programme on Electronic Assistive Devices from 7<sup>th</sup> to 13<sup>th</sup> Jan 2022.*
- *Worked as coordinator for Two-day FDP on “Labview and its Applications “at E&CE, BIET, Davangere on August 2<sup>nd</sup> & 3<sup>rd</sup> 2012.*

### ***Seminar/ Workshops/ FDP/NPTEL courses Attended :***

- Participated in Guest Lecture on AGILE DEVELOPMENT conducted on 2<sup>nd</sup> July 2024 organised by the Dept. of CD&E in collaboration with IQAC, BIGCE, Solapur.
- Successfully completed NPTEL online certification course on Accreditation and Outcome based learning (AOBL) during Aug-Oct 2023.
- Successfully completed NPTEL online certification course on Teaching and Learning in Engineering(TALE) during Jan-Apr 2023.
- Participated One week FDP on Embarking Open source software in an engineering and Technology conducted by ECE, BIET in association with VTU, Belagavi on 19<sup>th</sup> Apr to 24<sup>th</sup> Apr 2022.
- Participated a one-week AICTE- ISTE Sponsored Refresher

**Program on “Design Thinking” held during 07th March 2022 to 12th March 2022, organized by the VTU e-learning center, Mysuru and Vidyavardhaka College of Engineering, Mysuru.**

- **Participated in IP Awareness/training program on National Intellectual Property Awareness Mission on 28<sup>th</sup> Jan 2022.**
- **Attended Two-days workshop on “Implementation of National Educational Policy-2020” organized by BIET, Davangere from 11<sup>th</sup> to 12<sup>th</sup> Dec 2021.**
- **ATAL FDP on VLSI-IP design approach to SRAM compiler design, 16-08-2021 to 20-08-2021, GMIT,davanagere.**
- **FDP on Introduction on microchip FPGA, 19-07-2021 to 23-07-2021, BIET,davanagere**
- **FDP on Augmented Reality and Virtual Reality, 21-25 June 2021, AISSMS Pune.**
- **AI-MIMO: Millimeter (mm) Wave and Massive MIMO Applications for 5G Wireless Networks using AI, 25th Jan to 1st Feb 2021, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad,Telangana.**
- **AICTE Sponsored One Week Online Faculty Development Program on Wearable Devices, 18th to 22nd Jan2021, UVCE, BANGALORE.**
- **AICTE Sponsored One Week Online Faculty Development Program on "Research Areas in Biomedical Signal Processing"14-19th December 2020, Sri Vasavi Engineering College (Autonomous)**
- **NBA Awareness Webinar on Outcome Based Education and Accreditation University, Belagavi, 20th October 2020, jointly organized by National Board of Accreditation, New Delhi and Visvesvaraya Technological University, Belagavi**
- **Webinar on Assistive Technology for Empowerment of Persons with Disability, 11th December 2020, organized by BIET and Composite Regional Centre (CRC).**

- **Attended the international webinar on “Innovative Research Ecosystem and Publishing Papers in High Impact Journals” jointly organized by Research and Innovation Centre and RajaRajeswari Institution Innovation Council (RRIIC) of RajaRajeswari College of Engineering, Bangalore on 26th March 2021.**
- **Participated in the Faculty Development Programme on Digital Technologies held on 15th & 16th May 2020 using Digital Platform conducted by TCS, Bangalore.**
- **Attended one day workshop on eSim, a first course in the IoT series for Teachers’ held at BIET, Davangere on 21 September 2019**
- **Attended two days national level seminar on “IOTs in Transforming Rural Healthcare System and Point of Care Testing” held on 8th & 9th Dec-2017, organized by Department of E & IE, UBDTCE, Davangere.**
- **Attended one day workshop on “Research Methodology”, conducted by ISTE-BIET chapter at BIET Davangere on 28th Oct 2015.**
- **Attended four day FDP on “Advances in biomedical instrumentation for quality health care” at E&IE,UBDTCE, Davangere from 23<sup>rd</sup> to 26<sup>th</sup> July 2014 sponsored by VTU, belgaum and VGST, Karnataka.**
- **Attended Two day Faculty Development workshop on “Low Power Embedded systems using Texas Instruments MSP430 Microcontroller” in association with Cranes software International Ltd. And Texas Instruments India University Program, Bangalore at BIET, Davangere on 9<sup>th</sup> and 10<sup>th</sup> Feb. 2012.**
- **Participated in two day workshop on “LABVIEW & NI HARDWARE” at KSIT, Bangalore on 2<sup>nd</sup> and 3<sup>rd</sup> of sept-2011**
- **Participated in a “Mission 10X” workshop conducted at BIET, DAVANGERE from 2<sup>nd</sup> FEB to 6<sup>th</sup> FEB 2010.**
- **Participated in one day workshop on “Embedded System Design” conducted on 27<sup>th</sup> April 2007 at BIET, Davangere.**
- **Participated in the one day workshop on “Industrial Automation”**

conducted on 4th October 2007 at BIET, Davangere.

- Participated in the one day workshop on “Tanner tolls pro (A complete VLSI design system)” at BIET, Davangere on 16<sup>th</sup> November 2006.
- Participated in the three day workshop on “MATHTEA-Mathematical tools for engineering analysis “during 10th to 12th March 2006, at BVBCET, Hubli.

*Paper published:*

• Kiran Kumar G.H, Manjunatha P, Mallikarjun S. Holi, Rajashekar Kunabeva“ Performance evaluation of compressive sensing based compression of multi-resolution PPG signals under WBAN environment”, IJITEE, ISSN:2278-3075(online),Volume-8, Issue-11, September 2019, Page no. 620-624.

• Kiran Kumar G H, Manjunatha P, Mallikarjun S. Holi, Jayadevappa B M “Compressive Sensing Algorithm With Adaptive Best Mother Wavelet For Energy Efficient PPG Signal Compression In WBAN Node”, International Journal of Advance Science and Technology(IJAST), Vol. 29, No. 10S, pp. 8428-8439, June 2020.

• Kiran Kumar G H, Manjunatha P, Mallikarjun S. Holi “Wavelet Data-Driven Extreme Learning Machine Auto-Encoder based Compressive Sensing for Physiological Signal Reconstruction over Wireless Body Area Network”, International Journal of Future Generation Communication and Networking(IJFGCN), Vol. 13, No. 3, pp. 742 – 763, June 2020.

• Kiran Kumar G H, Manjunatha P, Mallikarjun S. Holi, BM Jayadevappa “ Wavelet Data Driven Stacked Auto-Encoder Model for Non-linear Compressive Sensing and Physiological Signal Reconstruction”, Waffen-Und Kostumkunde Journal, Vol. XI, Issue XI, pp. 17-43, November 2020.