



FACULTY PROFILE ON WEBSITE

Faculty Name	Dr. Bharath K N	
Academic Designation	Assistant Professor	
Educational Qualification	BE, MTech, Ph.D.	
Experience in Teaching & Industry	13 &	
Date of Joining	15/12/2021	
Official Email ID	bharath-ece@dsatm.edu.in	
Employee ID	180545	

Educational Details

Degree Branch	Board / University School / College	% / CGPA / CPI Result Class	Passing Year
M. Tech DIGITAL ELECTRONICS AND COMMUNICATION SYSTEMS	VTU MALNAD COLLEGE OF ENGINEERING	72.00 Distinction	Jun - 2013
B.E. Electronics & Communication Engineering	VTU KNSIT, Bangalore	59.00 Second Class	Jun - 2011
Ph.D Electronics & Communication Engineering	Bangalore University UVCE Bangalore	First Class	Jun - 2026

Professional Experience

- [2013 - 2021] 8 Years worked as an Assistant Professor, in G Madegowda Institute of Technology, K M Doddi.
- [2021 – till date] Worked as an Assistant Professor, in Dayananda Sagar Academy of Technology and Management.

Publications

Quartile-1 [Q1] Papers: 9	Book Chapter Springer Nature: 1	
Quartile-3 [Q3] Papers: 2	International Conferences: 5	
Quartile 4 [Q4] Papers: 5	National Conferences: 2	
Citations: 172	H index: 5	I10 Index: 3

• Springer Nature

- 1 **Mr. BHARATH K N** "Enhanced EEG Signal Processing for Accurate Epileptic Seizure Detection", Jul - 2025
- 2 **Mr. BHARATH K N** "Supervised Machine Learning Evaluation for Patient-Specific and Non-Patient-Specific Epileptic Seizure Detection with Multichannel Scalp EEG", Jul - 2025
- 3 **Mr. BHARATH K N** "Deep Learning Models for Early Identification of Learning Disorders in Children with Autism Spectrum Disorder", Aug - 2025
- 4 **Mr. BHARATH K N** "Deep Learning Applications for Improving Early Detection and Staging Accuracy in Alzheimer's Disease", Sep - 2025
- 5 **Mr. BHARATH K N** "Hybrid Deep Learning Models for Accurate EEG-Based Cognitive State Classification", Sep - 2025
- 6 **Mr. BHARATH K N** "Machine Learning Approaches for Solar PV Fault Identification", Sep - 2025
- 7 **Mr. BHARATH K N** "Improved Diabetes Detection Through Integration of External Risk Factors and Machine Learning Techniques", Oct - 2025
- 8 **Mr. BHARATH K N** , P Kiran, BD Parameshachari, J Yashwanth, KN Bharath "Offline signature recognition using image processing techniques and back propagation neuron network system", Apr - 2021

• **Journal Paper**

- 1 **Mr. BHARATH K N** "Privacy-preserving biometric authentication through visual cryptography-based fingerprint protection", Mar - 2026
- 2 **Mr. BHARATH K N** "Brain tumor classification on MRI images using fine-tuned deep learning models", Jun - 2025
- 3 **Mr. BHARATH K N** , KN Bharath, K Sureshbabu "Optimal machine learning model based medical image compression techniques for smart healthcare", Mar - 2024
- 4 **Mr. BHARATH K N** , K.N Bharath, K. Suresh Babu and Vinayakumar Ravi "Security of Magnetic Resonance Medical Images using Region-based Lossless Image Compression in Healthcare Information Systems", Oct - 2024
- 5 **Mr. BHARATH K N** , Kiran Kumar, Bharath K N, Gururaj Harinahalli Lokesh, Francesco Flammini, Sunil Kumar DS "Genuine Forgery Signature Detection using Radon Transform and K-Nearest Neighbour", Dec - 2022
- 6 **Mr. BHARATH K N** , Bharath K N "Histogram Based Visible Image Encryption for Real Time Applications", Jul - 2022
- 7 **Mr. BHARATH K N** , DS Sunil Kumar, H Manju, R Harshitha, KN Bharath, MT Ganesh Kumar "2D/3D Convolutional Neural Networks for Alzheimer's Disease Prediction using Brain MRI Image", Dec - 2022
- 8 **Mr. BHARATH K N** , DS Sunil Kumar, Mamatha Mallesh, KN Bharath, BC Susmitha "Long Short-Term Memory (LSTM) based Epileptic Seizure Recognition", Jul - 2022
- 9 **Mr. BHARATH K N** , Bharath K N , Ramya M R, Yogesha B R , Karthik N S , Anusha G T "Unmanned Aerial System for Medical Emergencies", May - 2019

International Conferences:

- 1 **Mr. BHARATH K N** "Brain MRI-Based Alzheimer's Disease Prediction using CNN-Driven Deep Learning Framework", Jun - 2026
- 2 **Mr. BHARATH K N** "Musical Instrument Recognition Using Machine Learning Approaches", Feb - 2025
- 3 **Mr. BHARATH K N** , Kiran, DS Sunil Kumar, KN Bharath, J Yashwanth, Bharathesh N Patel, K Prabhavathi "Optimized Encryption Technique for Securing E-Health Images", Feb - 2023
- 4 **Mr. BHARATH K N** , BD Parameshachari, SV Sandeep, DS Sunil Kumar, KN Bharath "Secure Image Transmission with Efficient Resource Constraints Using Multiple Chaotic Systems", Dec - 2023
- 5 **Mr. BHARATH K N** , KN Bharath, G Padmajadevi "Hybrid compression using dwt-dct and huffman encoding techniques for biomedical image and video applications", May - 2013

Conference Attended

- 1 Mr. **BHARATH K N** "Brain MRI-Based Alzheimer's Disease Prediction using CNN-Driven Deep Learning Framework", Jun - 2026
- 2 Mr. **BHARATH K N** "Musical Instrument Recognition Using Machine Learning Approaches", Feb - 2025
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- 4 Mr. **BHARATH K N** , BD Parameshachari, SV Sandeep, DS Sunil Kumar, KN Bharath"Secure Image Transmission with Efficient Resource Constraints Using Multiple Chaotic Systems", Dec - 2023
- 5 Mr. **BHARATH K N** , KN Bharath, G Padmajadevi"Hybrid compression using dwt-dct and huffman encoding techniques for biomedical image and video applications", May - 2013
- 6 Mr. **Bharath K N**, Nithyananda M S, Sahana G D, "Smart home control system by IoT based on Zigbee", NCESC -2017
- 7 Mr. **Bharath K N**, Akshatha, "Advanced partial image encryption using two stage hill cipher technique", "emerging trends in engineering & technology", 2015

Awards

- **Unnat Bharat Abhiyaan Government Funded Project – 1Lakh.**
- I have **THREE\FUNDED PROJECTS** under my guidance. Two of them were sponsored by Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore, in the academic year 2020-2021 and 2016-2017. The other one is sponsored by VTU, Belgaum.
- Received a certificate from DSATM College as **Best professional performer** for the year 2025.
- **DSI Sagar Cup winner**, 21-08-2023
- **Antaragni Faculty Cup Winner**, 2024

Academic Activity

Serving as an **Editor** for the Prestigious **International Journal - "Journal of Applied Artificial Intelligence in Education."**

Reviewer for **Quartile 1** Journals such as **Springer Nature, Frontiers, Artificial Intelligence, etc.** Also reviewed many **IEEE conference** papers.

Administrative Activity:

1. I was the **Editor of GMIT College Newsletter (SUVAARTHA)**; I was also the **head of Social Media Committee of the college.**
2. Worked as a **Coordinator for PMKVY courses of ECE Department** which got funds up to **3lacs.** Applied for **4 Special Projects** and **3 Short term training courses** under **PMKVY.**

Conducted [As a resource person] **3 Days Skill Enhancement Program [SEP]** for students on **Arduino Programming, 2022 and 2023 Batch Students.**

Coordinator ship:

Serving as a **BOE Member, Department Technical Club [SPECTRON] Head, Mini Project Coordinator, AICTE Activity points coordinator, Industrial Visit Coordinator, Department SPOC for Autonomous Exams.** Also, I have served as **IA coordinator, NSS Coordinator** in the past.

Events Organized:

1. 3 Days workshop on **Drone Technology**, 2025.
2. 3 Days workshop on **RC Plane technology**, 2026.
3. 1 Days workshop on **EV Vehicles Technology**, 2025.
4. 3 Days workshop on **Virtual Reality and Augmented Reality**, 2025.
5. 3 Days Tech Fest – Electronveshana, 2024.
6. 2 Days Cultural Fest – 2023.
7. **24 hours Hackathon** in collaboration with **IEEE** – Electronveshana, 2024.
8. **8 hours National Hackathon** – Spectron 2026.
9. **Panel discussion** on Career opportunities for ECE students in various domains, Speakers from **ISRO, Intel, Cadence and TCS**, 2025.
10. **Panel discussion** on **Industrial Automation 4.0**, Speakers from **Robert Bosch, Amazon, Danfoss Industries**, 2023.
11. **Intercollege mini project exhibition** – 2025.
12. Intra-college food fest [Social Connect and Responsibilities].
13. Organized **TWO Workshops** for students on **Arduino and ARM7**.
14. Organized 5 different NSS event at different Schools, Orphanages, and many other outdoor locations.
15. Organized 5 various activities under AICTE ACTIVITY POINTS PROGRAMME.
16. Organized many technical talks for the students by inviting industry professionals from tier1 companies like **ISRO, Robert Bosch, Intel, TCS, etc.**
17. Organized **5 Industrial visit** for various places like **ISRO, MCF, Hydro power station**, etc.

Faculty Development Activity/Workshops

1. 5 Days online FDP on “AI Driven Technologies in Electronics and Communication Engineering”, March 2nd to 6th, BCE, Shravanabelagola, 2026.
2. International Workshop on Future Computing, UVCE, Bengaluru, 10th Jan, 2026.
3. 5 Days FIP on “AI for Educators”, DSATM, 22nd to 26th AUG, 2025.
4. 5 Days FDP on “Adaptability of RISC-V in Academia Research and Labs”, BMSCE, Bengaluru, July 28th to August 1st, 2025.

5. 5 Days FIP on "Empowered Teachers as the torch bearers and pedagogical leaders", DSATM, Bengaluru, from 18th March to 22nd March, 2024.
6. One week FDP on "Joy of PROGRAMMING with PYTHON", DSATM.
7. 5 Days FDP on "ESP32 IOT Development Board", DSATM, Bengaluru, 23rd Dec to 28th Dec, 2022.
8. 5 Days FIP on "Pedagogical Approaches", DSATM, Bengaluru, 8th to 12th April, 2022.
9. Participated in "5th National Level IEEE Project Competition 2021" at GSSSIETW, Mysore on 26th June 2021.
10. 2 Weeks course [50 Hours] "Basics of PLC" completed from Siemens Centre of Excellence, GTTC, Mysore, in March 2021.
11. 5 Days Online Faculty Development Program on "Advancement in Signal and Image Processing", Atria Institute of Technology, 8th – 12th Feb, 2021.
12. **AICTE sponsored STTP** on "Pedagogy for effective use of ICT in Engineering Education", Dr. AIT, Bengaluru, 7th – 12th December 2020.
13. **ATAL FDP** on "Controls Systems and Sensors Technology" from IIT, Nagpur, in September 2020.
14. Participated in the "IEEE CAS Regional activity and how to run CAS Chapter" organized by IEEE circuits and systems [CAS] on 12th Sep, 2020.
15. 5 Days online FDP on "Research Opportunities in Signal Processing", in VVCE, Mysore from 13th to 17th July 2020.
16. 5 Days online FDP on "Advances in Artificial Intelligence, Machine Learning and Robotics", in VVCE, Mysore from 6th to 10th July 2020.
17. Two days online FDP on "Effective Technical report writing using LaTeX", MGIT, Hyderabad, 8th - 9th Jun 2020.
18. One week FDP on SPOKEN TUTORIAL FREE OPEN-SOURCE SOFTWARE (FOSS) on Python course in 2020.
19. Cleared The Awareness QUIZ on COVID-19 event with 88% score, organized from 03 June 2020 to 07 June 2020 by Internal Quality Assurance Cell (IQAC) of Sri Venkateshwara College of Engineering, Bengaluru-562157.
20. Webinar Series on "Telemedicine, IOT and Nano science", Organized by GSSSIETW IEEE student branch from 10th to 12th Jun 2020.
21. "Doing research: Challenges, Do's and Don'ts", Under IQAC Cell, GSSSIETW, Mysuru.
22. National level live Webinar on 'Intellectual Property Rights & Indian Patent Filing Procedure' on 19th June 2020.
23. TEQIP-III sponsored online Faculty Development Programme on "RECENT ADVANCES IN AUTOMATION AND NETWORKING" held from 18th to 20th June 2020 organized by Department of Electronics and Communication Engineering, Basaveshwar Engineering College (Autonomous), Bagalkot, Karnataka, India.
24. "Advanced quiz on COVID-19", organized by DOS in Zoology, University of Mysore.
25. One week FDP on SPOKEN TUTORIAL FREE OPEN SOURCE SOFTWARE (FOSS) on Arduino course in 2020.
26. Webinar Series on DevOps tool, by Reva university, held between 19th – 22nd Jun 2020

27. Five Day Online Faculty Development Program on “Research Opportunities in Signal Processing” held from 13th to 17th July 2020 organized by the Department of Electronics and Communication Engineering, VVCE, Mysuru.
28. “6 Days Faculty Development Programme” organized by BET, Bharathinagara from 15th – 20th Jul 2019.
29. One week FDP organized by EDII SRO, Bangalore from 18th to 24th Jan 2018.
30. FDP on “Network Simulation (NS3) & Next Generation Mobile Networks”, MSRIT, Bangalore in 2018.
31. FDP on “Tele Medicine & Biomedical Signal Processing & Data Analytics for Indian Health Care Applications” in T.John Institute of Technology, Bangalore in 2018.
32. FDP on “Advances in Image Processing & Computer Vision Applications using Python & OpenCV”, KIT, Tiptur in 2017.
33. Workshop on “Special Educational Programmes for Slow Learners”, UVCE, Bangalore in 2017.
34. FDP on “Design & Development of Embedded System using MSP430”, DSCE, Bangalore in 2016.
35. Workshop on “Digital Image Processing”, SSIT, Tumkur in 2014.

Contact Details

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