



LINGARAJ APPA ENGINEERING COLLEGE , BIDAR

Approved by AICTE, Recognized by Govt. of Karnataka

VTUAffiliated

FACULTY PROFILE

1. **Name in Full :** Dr. Sharanbasappa Shetkar



2. **Contact Number:** 9986788989

3. **Email ID:** sshetkar@gmail.com

4. **Date of Birth :** 11/12/1986

5. **Address for communication:** Shetkar Nilaya, H-No-8-6-41, J.P.Nagar, KHB Colony, Bidar, Karnataka - 585401.

6. EDUCATIONAL QUALIFICATIONS:

Sl. No.	Degree	University/Institution	Year	Specialization
1	Ph.D.	Visvesvaraya Technological University, Belgavi	2022	Wireless Communication
2	M.Tech.	Visvesvaraya Technological University, Belgavi	2012	Digital Electronics & Communication
3	B.E.	Visvesvaraya Technological University, Belgavi	2009	Electronics & Communication Engineering
4	PUC	Shri. Manik Prabhu Composite PU College, Maniknagar, Humnabad	2004	Science
5	SSLC	The Manik Public School, Maniknagar, Humnabad	2002	-

7. DETAILS OF PREVIOUS EMPLOYMENT:

Sl. No.	Name of the Institution	Period		Designation
		From	To	
1	Lingaraj Appa Engineering College, Bidar	01/08/2012	31/07/2016	Assistant Professor
2	Lingaraj Appa Engineering College, Bidar	01/08/2016	30/09/2022	Assistant Professor & HOD (ECE)
3	Lingaraj Appa Engineering College, Bidar	01/10/2022	30/09/2025	Associate Professor & HOD (ECE)
4	Lingaraj Appa Engineering College, Bidar	01/10/2025	Till Date	Professor & HOD (ECE)

8. Date of service in this Institution: 01/08/2012

9. Total experience in years :14 years

10. Subjects of Interest: Basic Electronics
 Electromagnetics Theory
 Signals & Systems
 Control Systems
 Operating Systems
 Low Power VLSI Design
 Computer Organization
 Technological Innovations Management & Entrepreneurship

11. PUBLICATIONS IN NATIONAL AND INTERNATIONAL JOURNALS & CONFERENCES:

- Basha, D. Khalandar., Mishra, S., Patil, J. S., Subbarayudu, Y., Gandhar, A., Shetkar, S., ... Singh, S. (2026). Advanced deep learning framework for piezoelectric characterization of organic polymeric materials. Mechanics of Advanced Materials and Structures, 33(1). <https://doi.org/10.1080/15376494.2026.2617905>
- Triveni, Biradar, Mohammad Shahbaaz, and Sharanbasappa Shetkar. "College Placement System Using Python." Journal of Scientific Research and Technology (2025): 406-409.
- Haralayya, B., Kushnoor, A., & Shetkar, S. (2025, February). Impact of Cryptocurrency on Global Financial Stability: Analyze Regulatory Responses and Their Effectiveness in Managing Risks Associated with Cryptocurrencies. In 2025 International Conference on Computational, Communication and Information Technology (ICCCIT) (pp. 767-775). IEEE.

- Shetkar, S. (2024). Automatic Accident Detection And Ambulance Rescue System Using Smart Bios Services And Arduino. Journal of Scientific Research and Technology, 69-72.
- Haralayya, Bhadrappa, and Sharanbasappa Shetkar. "Algorithmic Trading and Market Liquidity: A Comprehensive Analysis of High-Frequency Trading Strategies." 2024 First International Conference on Technological Innovations and Advance Computing (TIACOMP). IEEE, 2024.
- Sharanbasappa Shetkar, Baswaraj Gadgay , Shubhangi D. C. “Advancements in Face Recognition Using Deep Learning Techniques: A Comprehensive Review” Journal of Harbin Engineering University. Volume 45 ,Issue 3 Pages 566-571.
- Shetkar, S., Gadgay, B., & Shubhangi, D. C. (2022). Machine Learning Based Adaptive Filtering Of Mixed Noises In Visible Light Communication. Scandinavian Journal of Information Systems, 34(2), 3-38.
- Shetkar, Sharanbasappa. "Applications and Issues in Visual Light Communications." Journal of Optoelectronics and Communication 6, no. 2.
- Shetkar, Sharanbasappa, Basawaraj Gadgay, and D. C. Shubhangi. "A Novel MIMO-NOMA Based VLC Transceiver Design for High BER Vs. SNR Performance." Journal of Harbin Institute of Technology 53.12 (2021): 2021.
- Shetkar, Sharanbasappa, and Baswaraj Gadgay. "A Sallen Key All Pass Filter for Noise Reduction in Visible Light Communication Systems."
- Bachanna, Prashant, Vivek Jalad, and Sharanbasappa Shetkar. "Design and analysis of high speed low power reusable on chip bus based on wishbone." 2014 Fifth International Conference on Signal and Image Processing. IEEE, 2014.
- Sharanbasappa Shetkar, Baswaraj Gadgay, Shubhangi D C, “Adaptive Filtering of Multiple Noise Sources based on Convolutional Neural Network based Machine Learning Algorithms in Visible Light Communications”, Journal of Optoelectronics Laser, December 2021.
- Sharanbasappa Shetkar, Baswaraj Gadgay, “A Variant MIMO-OFDM VLC (VMOV) Optimization model for WiMAX Network”, 9th International Conference on Innovations in Electronics & Communication Engineering (ICIECE - 2021), August 13 – 14, 2021.

12. PATENTS

- Siddamma CM, Amruta Prabhugouda, Manjunath Reddy, Dr Harish Harsurkar, Husain Bavasab Shaikh, Priti Tukaram Chorade, Dr Sharanbasappa Shetkar, “BIASED ONLINE ADMISSION SYSTEM FOR COLLEGES AND UNIVERSITIES”, published in National Indian Patent, Application Number: IN202441005572, 01st August 2025.
- Dr P Munaswamy, Sharanbasappa Shetkar, Sangeetha M K, Dr Shashikala Parameshwarappa, “AI-BASED ONLINE ADMISSION SCREENING SYSTEM”, published in National Indian Patent, Application Number: IN202441001839, 09th February 2024.
- Baswaraj Gadgay, Sharanbasappa Shetkar, “Enhancing the Efficiency of Optical Filtering for Visible Light Communications”, published in National Indian Patent, Application Number: IN202141032907, 30th June 2021.

13. SEMINARS CONDUCTED

1. Resource Person for the FDP on “**Outcome Based Education**” organized by Sri Lakshmi College of Management and Science, Bangalore on 05/04/2025.

14. TRAINING PROGRAMMES/WORKSHOPS/SEMINARS/STTPS/SYMPOSIUMS/WEBINARS ATTENDED.

Sl. No.	TOPIC	PERIOD		ORGANIZER
		FROM	TO	
1	FDP on Artificial Intelligence and Deep Learning	09-07-2024	14-07-2024	FETW, Sharanbasva University Kalburgi
2	FDP on Palo Alto Cloud Security Fundamentals.	23-07-2024	27-07-2024	ICT Academy at Sharanbasava University
3	FDP on “Inculcating Universal Human Values in Technical education”	06-11-2023	08-11-2024	Organized by AICTE at Lingaraj Appa Engineering Collge Bidar.
4	FDP on “Recent Innovations and Trends in Antenna Design.”	03-01-2024	07-01-2024	FETW , Sharanbasva University, Kalburgi
5	FDP on Embedded IoT Application Design and Development.	20-05-2024	22-05-2024	Lingaraj Appa Engineering Collge Bidar, in association with IobiT Solution
6	FDP on Frontiers in Cloud Computing , Artificial Intelligence and Machine	12-03-2024	16-03-2024	FETW , Sharanbasva University,

	Learning and IoT			Kalburgi
7	FDP on ‘ Idea Generation Methods ‘	10-01-2023	12-01-2023	ICT Academy at Sharanbasava University

- Organized One Day National Level Seminar on “**DIGITAL IMAGE PROCESSING**” on 6th April 2018 at Lingaraj Appa Engineering College.
- Organized Two Days Workshop on “**Advance Microcontrollers and its Applications AM-APPS**” on 11th and 12th March 2016 in association with VED LABS (Versatile Engineering Designs) at Lingaraj Appa Engineering College.
- Organized Two Days Workshop on “**Recent Trends in VLSI Design RTVD-2014**” on 20th and 21st October 2014 at Lingaraj Appa Engineering College.
- Participated in One-week Faculty Development Program on “**Effective Teaching, Learning and Research Skills towards Global Standards in Higher Education**” from 08/01/2015 to 13/01/2015 at GECW & AIET Kalaburagi.
- Participated in One-week workshop on “**MICRO & NANO ELECTRONICS (MAN) 2013-14**” from 06/08/2013 to 09/08/2013 at Guru Nanak Dev Engineering College, Bidar, Karnataka, India.
- Participated in One-week State Level Faculty Development Program on “**Emerging Trends in Teaching, Learning and Research**” from 04/01/2016 to 09/01/2016 at AIET Kalaburagi, Karnataka.
- Attended 3 days Webinar Series on “**Emerging and Transformative Technologies – Post Pandemic Era**” from 29/06/2020 to 01/07/2020 at AIET Kalaburagi.
- Attended One day International Webinar on “**The Effect of Music on Human Brain**” on 09/07/2020, Organized by Department of ECE, GNDEC, Bidar.
- Attended One day International Webinar on “**Role of User Experience in Engineering**” on 11/07/2020, Organized by Department of ISE & CSE, SDM College of Engineering & Technology, Dharwad.
- Participated in Five days Online Faculty Development Program on “**Contemporary Research Trends in Electronics & Communications**” from 06/07/2020 to 10/07/2020 from VTU-Centre for PG Studies and Regional Office, Kalaburagi.

- Attended TEQIP 1.3 Sponsored One week Faculty Development Program on “**Outcome Based Education and NBA Accreditation**” from 20/01/2020 to 24/01/2020 at Dr. P.G. Halakatti College of Engineering, Vijayapur.

15. ACHIEVEMENTS

1. **Co-Principal Investigator (Co-PI)** for the project entitled “**AI -Driven Super Resolution Enhancement for Medical Imaging: Improving Diagnostic Accuracy and Patient Outcomes**” has been selected for funding Rs. 30 lakhs by VGST(Vision group of science and technology) under KFIST-L2 (Karnataka Fund for Infrastructure Strengthening in Science and Technology Level 2-K-FIST-L2)

16. Details of Memberships In Professional Societies:

Sl.No	Name of the Body	Member ID
1	IEEE Senior Member	97705216
2	IETE Member	F-502187
3	ISTE Life Member	LM 130727
4	SCOPUS	56126619900
5	ORCID	0000-0003-1748-6919
6	Google Scholar	65NBkdYAAAAJ

19. Other membership

1. Governing Council Member of IETE, Kalaburagi Center, Kalaburagi for academic year 2023-2024
2. Governing council member of IETE, Kalaburagi Center, Kalaburagi for academic year 2024-2025

17. Ph.D Guidance

1. Guide for Basavraj B at VTU.
2. Guide for Nandini P at VTU.