

Dr. Shama B N

Assistant professor

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- 575007

PROFESSIONAL SYNOPSIS

A committed academician and researcher with profound expertise in Electronics and Communication, blending a passion for teaching with an enduring dedication to advancing research in Electronics and Communication Engineering. Demonstrated proficiency in curriculum design, scholarly publications, and mentorship, with a vision to foster intellectual curiosity, innovation, and academic excellence.

WORK EXPERIENCE

1. Period: July 2011 to till date

Department: Electronics and Communication

Institution: St Joseph Engineering college

Designation: Asst Professor

2. Period: 22.01.2007 to June 2011

Department: Electronics and Communication

Institution: St Joseph Engineering college

Designation: Lecture

3.Period: 5.10.2004 to 6.10.2005

Department: Electronics and Communication

Institution: N M A M I T, Nitte

Designation: Lecturer

EDUCATIONAL QUALIFICATION

- Ph.D. in Biomedical signal processing(VTU)
- M. Tech in Digital Electronics and Communication(VTU)
- B. E in Electronics and Communication(VTU)

RESEARCH PUBLICATIONS/PRESENTATION

- International Journal: 5
- International Conference:13
- National Conference:1
- Book Chapter Published:1
- Research Conclave/Colloquium: 2

CONTINUOUS IMPROVEMENT

- No. of workshop/Seminar/FDP attended: 68
- Interaction with the outside world:3
- No of funded KSCST Projects: 4
- No. of patents filed: 4
- Resource persons for FDPs/Workshop :4
- Applied for IUCEE Community Outreach project award 2021
- Applied research grants from VTU, TEQUIP Cell and VGST (K-FIST)
- Certification course completed : 4
- Innovative, participatory teaching methods
- Life Member, Indian Society for Technical Education

AWARDS AND RECOGNITION

- Selected as one of the finalist for best techno faculty award for the year 2014, organized by ICTACT awards 2014.
- IUCEE Individual Honorary Member, 2024
- Invited as Judge for student academic programs and competitions
- Organized 11 workshop, FDP, webinars and conferences.
- Won two Best paper awards during National/ International conferences.
- Editor of College Magazine for a period of two years
- UHV coordinator for a period of 3 years
- Autonomy Coordinator of ECE department
- Head of TLC-Sanjosh for academic year 2023-24
- Served as Reviewer for national/international conference and Journal Articles
- Coordinated a funded workshop jointly organized with NIT Warangal
- Mentored 3 UG projects that received the "Best Project/Innovative Project "

PATENT DETAILS

- Title: AI powered Detection of sarcasm in digital conversations
Application No : 202541007296
Published Date : 07/02/2025
- Title: AI powered bike air bag system using machine learning algorithms
Application No : 202541018990
Published Date : 21/03/2025
- Title: A system and method for dynamic posture correction in home-based breast cancer rehabilitation
Application No : 202541050043
Filed Date : 24/05/2025
- Title: A system and method for predicting customer churn using pattern recognition and live interaction module
Application No : 202541050040
Filed Date : 24/05/2025

RECENT RESEARCH PUBLICATIONS & PRESENTATIONS

- Shama Bekal Narayan, Savitha Halkare Mahabaleshwara "An approach for radiation dose reduction in computed tomography" International Journal of Electrical and Computer Engineering, Vol.13, Issue No 1, 2023, pp 1169-1179
- Shama B N, Deepak Prabhu, Emmanuel Pravilesh Fernandes, Guru Prasad Mayya, Lanvin Samuel Pereira "SMART ARECANUT PESTICIDE SPRAYER BOT" International Journal of Creative Research Thoughts, Vol. 11, Issue No 6, 2023, pp 1-4
- Shama B N, Dayakshini Sathish, Bharath, Janardana K R, Nachiketh and Sandeep Prabhu "Design and Implementation of Traffic Monitoring for Indian Smart Cities", Grenze International Journal of Engineering and Technology, June Issue, 2023, pp 1012-1017
- B. N. Shama and H. M. Savitha, "A Review on Techniques of Radiation Dose Reduction in Radiography" Expert Clouds and Applications, Lecture Notes in Networks and Systems, Springer, pp 681 -694
- Shama B N, Rian Archie Fernandes, Shalom Crasta, Rishab, Arshad "Smart car parking systems", International Conference on Technology for industry 4.0 revolution , ICTIR 2023, pp 23
- Shama B N , Mohammed Fuzail , Simone A Dsouza , Prerana P , Sinchana B R "VADATI : Sign to Speech Conversion Glove" IEEE Third International Conference on Artificial Intelligence, Computational Electronics and Communication System , IEEE AICECS 2024
- Shama B N , Gayatri Shetty , Jane Pereira , Karunya P , Pallavi Pai "AI Physiotherapy Assistant for Breast Cancer Patients : Her-Ally" IEEE Third International Conference on Artificial Intelligence, Computational Electronics and Communication System , IEEE AICECS 2024

RESEARCH FUNDING:

- NIT Warangal funded a research grant for the Online FDP titled "Early Cancer Detection: Bridging Academia and Clinical Practice" held from 10th-14th September 2024, organized in collaboration with SJEC, emphasizing academia-clinical research funding opportunities.
- Received KSCST funding for two UG projects " Her-Ally: Ai Physiotherapy Assistant for Breast Cancer Patients " during 2024-25 and "Solar based mobile charger" during 2013-14.