

PROFILE



1. Name : Dr.Azra Jeelani
(Mobile: 919916999440, Email : azrajeelani@gmail.com)
2. Date of birth : 7th July 1974
3. Designation : Professor in Electronics and Communication Engg.
4. Degrees obtained :

PhD. (Electronics and Communication Engineering)	Completed in June 2020, Research Center: BMSCE, Bangalore, Visvesvaraya Technological University. Belagavi.
M Tech. (Electronics)	Master of Technology from Sir.M VIT, from Visvesvaraya Technological University, Belgaum with percentage of 68 in the year 2010.
BE (Electronics and Communication Engineering)	Bachelor of Engineering from Gulbarga University, Gulbarga with percentage of 69 in the year 1998.

5. Employment record (starting from present position) :

August 2020- Till date	Professor in Electronics and Communication Engineering, SECAB I E T Vijayapur
July' 11 – June 2020	Associate professor in Electronics and Communication Engineering, MS Engineering College, Bangalore, India.
Aug' 2010–Dec' 2010	Senior Lecturer at the Department of Electronics and Communication Engineering, Brindavan College of Engineering, Bangalore, India.
Oct' 2005-Sep' 2008	Lecturer, Department of Electronics & Communication Engineering, Sri Venkateshwara College of Engineering, Bangalore, India.
Feb'2001-S e p ' 2005	Lecturer, Department of Electronics and Communications Engineering, Sree Visvesvaraya Institute of Technology & Science, affiliated to JNTU, Mahbubnagar, AP .

Career Summary

- A progressive and multitalented teacher with extensive practical knowledge having 16years of experience with excellent teaching records.
- Have excellent knowledge of electronics technology and the new methodologies adopted in the industry.
- Is outstanding in providing the real time knowledge about technology.
- Have good knowledge of subject and also have worthy practical acquaintance.
- Proficient in delivering theoretical and practical concepts.

Key Responsibilities Handled

- Project Coordinator and seminar coordinator.
- Coordinating guest lectures and workshop.
- Coordinated national conference at MSEC (NCETAR15,17) at MSEC, Bangalore.
- Question Paper Setter for BE / M Tech. / Theory subjects and Practical Examiner at Visvesvaraya Technological University.
- Class Teacher, Mentor and counselor for the students
- Valuating and moderating answer booklets.
- Counseling- Meeting with students and helping them in solving their problems.
- Time-Table Coordinator.
- Manage the Power Point presentations for students.
- Provide help, support and guidance during project work.
- Provide support to weak students.

Projects Guided

- M.Tech Project guided-4
- B.E Projects Guided- 10

Projects Undertaken

1. Ph.D Topic: Optimised noise filtering algorithm using underwater imaging Application. BMSCE, Bangalore
2. M.Tech Topic: Clock Period Minimization of circuit using Retiming Transform. Sir.MVIT, Bangalore.
3. BE Project Title: Digital Telephone Exchange, SLNCE, Raichur.

Teaching Interests

1. Digital Image Processing
2. Digital Communication
3. Principles of Communication Systems
4. Information theory and Coding
5. 8051 Microcontroller
6. Microwaves and antennas
7. Fundamentals of VLSI Design
8. Real Time Operating Systems
9. Operating Systems
10. Analog Communication + LIC Lab
11. Advanced Communication Lab

Research Interests

1. Image and Video Processing
2. Communication
3. VLSI

Computer Skills

Operating Systems	MSWindows95/ME/XP/98/2000/2007Professional,DOS,UNIX
Programmming Languages	C,C++,VHDL,8051
Scientific Applications	MATLAB/Simulink, Latex. Keil Microvision5
Office Applications	Microsoft PowerPoint, Excel, Word2007

Faculty Development Programs & Workshops Attended

1. One day workshop on “Dissemination Workshop On Underwater Communication”. On 27th October 2017, Organized by School of Electronics and Communication Engineering, Reva University , Bengaluru. (Sponsored by Naval research Board DRDO (MoD) New Delhi) .
2. Attended Faculty empowerment program on “Formulation of Research Proposal, Writing and drafting patents”, on 11th-12th July 2016 at MSEC, Bengaluru.
3. Workshop on “Global Industrial Automation using PLC, SCADA and communication protocols”, on a22nd March 2016, at MSEC, Bengaluru.
4. Participated in two day workshop in “Plagiarism”, organized by VTU e-Learning centre, 16th-17th October 2015 at VTU regional office, Bengaluru.
5. Participated in 3 day(18th-20th March 2015) workshop on “ research Methodologies and Latex”, organized by VTU e-Learning centre, at VTU regional office, Bengaluru.
6. Attended six day (14th – 19th July 2014)Workshop on “Trends in Underwater Acoustic Communication and SONAR”, RV College of engineering, Bengaluru,
7. FDP of 3 days(22nd-24th january,2014) on “Research Process, technical paper writing and Patenting”, by R& D centre, MSEC.
8. A 4 day(10th-13th july 2013) faculty development program on “VLSI System on chip design and validation”, by R & D center, MSEC, Bengaluru.
9. Three day workshop(7th-9thFeb 2013) on “FPGA based signal and image processing applications”, at MSEC.
10. One day workshop (10th nov 2012) on “Android based application development”, at MSEC.
11. Two day workshop (15th-16thMarch 2013) on “Speech processing robots using MSP430 microcontroller”.at MSEC, Bengaluru.
12. Workshop (Aug.2007) on “Digital system design using verilog/vhdl and FPGA”, at SVCE, Bengaluru.
13. Staff development program on “Teaching methodologies”, at SVCE.
14. Staff Development Program (3rd-4th feb 2009) on “Micro strip Antennas and Advanced communication”, at Sir MVIT college.

Research Contributions: Manuals and Papers published

- ❖ Developed lab manuals for Advanced Communication Lab, Linear Integrated Circuits + Analog Communication Lab.

Research Publications in Peer Reviewed Journals:8

1. Azra Jeelani and Veena M B, "Denoising using Self Adaptive Radial Basis Function", Indonesian Journal of Electrical Engineering and Informatics(IJEED) , Volume 7, Issue 4,Pages:677-685, Nov 11, 2019.
2. Azra Jeelani and Veena M B, "Unified Noise Reduction using Adaptive Radial Basis Function", **International Journal of Innovative Technology and Exploring Engineering**, Vol-8, Issue-9, July 2019, Page No: 484-490 Impact Factor 5.54
3. Azra Jeelani and Veena M B, "Hybridization of PSO and Anisotropic Diffusion in Denoising the images", **Microelectronics, Electromagnetics, and Telecommunications**, 463-473, 2018, publisher-springer.Impact Factor 0.19
4. Azra Jeelani and Veena M B, "Denoising the Underwater Images by using Adaptive Filters", **Advances in image and video processing**, 2017, vol-5,Issue-2,Pages 01.
5. Azra Jeelani and Veena M B, "A new approach for denoising underwater images", **International Journal of Advances in Engineering & Technology**,Volume 8, Issue-4, Pages-620, 2015. Impact Factor 2.76
6. Azra Jeelani and Veena M B, "Linear and Nonlinear Filtering Algorithms for underwater", **IJAER (International Journal of Applied Engineering Research)**, Volume-10, Issue-92, Pages 373-378, 2015. Impact factor 0.125.
7. Azra Jeelani and Veena M B, "Implementation of Digital Beam forming for Underwater 2D Sonar Imaging System", **International Journal of Science, Technology and research(IJSETR)**, June-2014.
8. Azra Jeelani and Veena M B, "Development of CAD tool for Clock Period Minimization using Retiming Transform". **International Journal of Advances In Applied Sciences and Engineering(IJAEAS)**,June 2014.
9. Azra Jeelani and Veena M B, "Implementation of adaptive digital beamforming using cordic", **International Journal of Computer Applications Technology & Research**,Volume 3, Issue 12,Dec-2014.

Conference Presentations: 12

1. “Feature recognition using deep machine learning”, in National conference on recent trends in engineering science and technology,(NCRTEST-19), C Byregowda Institute of Technology, Kolar, 11th May 2019.
2. “Despeckling of underwater images using adaptive filters”, National conference on emerging trends in engineering technology and applied research, at M S Engineering College, Bangalore, 17th may 2019.
3. “PID Controller for precision temperature control using FPGA”, National conference on computer applications and communication systems 2K18, BTL institute of technology, Bangalore, 14th May 2018.
4. “Micro Air Vehicle for identification of VEETLE Mincking flapping wing”, National conference on computer applications and communication systems 2K10, BTL institute of technology, Bangalore, 14th May 2018.
5. “Mobile app for skin disease detection”, National conference on emerging trends in engineering technology and applied research(NCETAR-2K18), at M S Engineering College,Bangalore,May 22, 2018.
6. “A non invasive remote health monitoring system”, National conference on emerging trends in engineering technology and applied research(NCETAR-2K17), at M S Engineering College,Bangalore, 19th May, 2017.
7. “Hybridization of Particle Swarm Optimization and Anisotropic diffusion in denoising images”, International Conference on Micro-Electronics, Electromagnetics and Telecommunications *ICMEET-2017* Organized by Department of Electronics and Communication Engineering BVRIT Hyderabad College of Engineering for Women Hyderabad on 9-10th September 2017.
8. “Green House Monitoring using IOT”, National conference on emerging trends in engineering and technology and applied research.May 2017, MSEC, Bengaluru.
9. “Linear and nonlinear filtering algorithms for underwater images”, at International conference on researches in Science, Management and engineering, Feb 2016.
10. “Underwater remotely operated vehicle for drowned body detection”, at National Conference of Advanced Research in Electronics & Communication engineering-2014. RL Jalappa Institute of technology, Bengaluru.
11. “A review on security chip in a biometric passport using cryptography.(NCAREC-2014), RL Jalappa Institute of technology, Bengaluru.

12. “Development of CAD tool for Clock Period Minimization using Retiming Transform”,at International Conference on Electrical, Electronics and Communication , Chirala, IIST-2014.

Achievements

- **Awarded Best faculty in the Yr 2015-16 in M S Engineering College** for outstanding results, publications and active participation in conduction of conference, workshops and guest lectures.
- **Obtained 100% result in subjects Information Theory and Coding, Digital Image Processing, Digital Communication and Embedded Systems**
- Appreciation for outstanding performance in organizing technical events like guest lectures and workshops, coordinating national conference on emerging trends in engineering technology and applied research, 2016-17.