

Name	Dr Archana R Kulkarni		
Date of Birth	14/5/1976		
Address	Contact Address: Dr Archana R Kulkarni, Associate Professor, Department of ECE, RNSIT, Bangalore-98 E-mail: archana.anv@gmail.com		
Subject / Discipline/ Major	Electronics and Communication Engineering		
Educational Qualifications	Exam Passed	Institution University	Year
	Degree: BE(Branch)	STJIT/KUD Dharwad	1998
	PG: M.Tech(Branch)	SJCE/VTU VLSI Design and Embedded Systems	2006
	Higher: Ph.D	VTU	2018
Experience	Nature of Experience	No. of Years	
	Teaching	22years	
	Industry/Research	11months	
	Total No. of years of Experience	23 years	
Experience Details	Designation	Institution/ Organization	Duration
	Associate professor	RNSIT	9 months
	Assistant professor	RNSIT	10 years
	Senior Lecturer	RNSIT	4 years
	Lecturer	RNSIT	1 year
	Lecturer	VVCE, Mysore	6 years
	Production Engineer	Sunray Electronics, Mysore	11 Months
Professional bodies Membership details	SM, IEEE; Fellow, IETE, Six Sigma Black Belt, American Society of Quality		
Other Professional Experiences	Worked as production and service Engineer for Sunray Electronics, Mysore. Played key role in production and development of Biomedical Instruments.		
Areas of Research Interest & Guidance	Wireless Sensor Networks, Microelectronics		
National/ International Work Shops/ Seminars / Conferences Attended	<ul style="list-style-type: none"> • 3 days FDP on “<i>Python programming and applications</i>” from 18 – 20, June 2018 at RNSIT, Bengaluru. • IEEE sponsored 3-day workshop on “<i>Computer Networks Laboratory using NS3, NCTUNS and C/C++</i>” during January 23-25, 2018 at RNSIT, Bengaluru • FDP on “<i>Special Topics in Optics and Photonics</i>” from 27th to 28th January - 2017 (2 Days) at RNSIT, Bengaluru. • One week FDP on “Hardware Modeling Using Verilog”, NPTEL, AICTE, Aug-Oct 2018 • One week FDP on Embedded System Design with ARM”, NPTEL, Swayam, Jan-Mar 2019 • 3 Days FDP on “ Effective Engineering Teaching In Practice”, NPTEL, Swayam, Jan-Mar 2019 • ATAL FDP on “Recent Trends in the world of Photonics” from 26th July to 30th July 2021(5 Days) at RNSIT, Bengaluru. 		

Papers: 15

- “Analysis of Performance of MAC based Iterative MUD Using EXIT and BER Charts”, CiiT International Journal of Wireless Communication, Volume 2, No 9, pp.297-303, September 2010. Available at www.ciiiresearch.org/dl/index.php/wc/article/view/WC092010007
- “Adaptable Packet Length for Power Hungry WSN”, International Journal of Engineering Research and General Science, Volume 3, Issue 2, March-April 2015, ISSN 2091-2730, pp. 242-248. Available at www.ijergs.org
- “Data Aggregation Using Doped Turbo Codes”, Paper presented at International Conference on Contemporary and Informatics 2014, Sponsored by IEEE Advancing Technology Humanity, IEEE Bangalore Section, pp. 440-445. Also uploaded in the IEEE Xplorer Digital library with Part Number CFP14AWQ, [978-1-4799-6629-5/14/\\$31.00@2014](https://doi.org/10.1109/IC3I.2014.7019709) IEEE, DOI:10.1109/IC3I.2014.7019709.
- “Assigning Nodes to Clusters in WSN based on Fuzzy Inputs of RSS, BE & BA”, Paper presented at International Conference on Electrical, Electronics, Signals, Communication & Organization 2015, IEEE Conference Record Number: #35593, 24-25, January 2015. Also uploaded in the IEEE Xplorer Digital library with Part Number CFP14AWQ, INSPEC Accession Number 15452223, [978-1-47997678-2/15/\\$31.00@2015](https://doi.org/10.1109/EESCO.2015.7253671) IEEE, DOI:10.1109/EESCO.2015.7253671
- “I2C Controller Implementation Using FPGA and Applying it to 8-Bit ADC”, International Journal of Research in Engineering, Science and Management Volume-3, Issue-5, May-2020 www.ijresm.com | ISSN (Online): 2581-5792
- “Disease Detection in Paddy Crop using CNN Algorithm”, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-6, April 2020
- “An Emergency Portable Ventilator for COVID Patients with Acute Breathing Difficulty.” Dinesh K. Anvekar, Manjula Vasant Kiresur, Usha B. Siddaiah, Archana R Kulkarni, Narendra Kumar, Nov 10, 2020 issue , International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-10 Issue-1, November 2020

Books: one

- **Coauthored a book titled “8086 Microprocessor: Programing and Interfacing”., ISBN number 9788193193525**