

RNS Institute of Technology, Channasandra, Bangalore-560098
ECE Dept | RESUME - Faculty

Name	NARENDRAKUMAR		
Date of Birth	28/05/1978		
Address	Contact Address: NARENDRAKUMAR Asst Professor, Department of ECE, RNSIT, Bangalore-98 E-mail:nkrnsit1@gmail.com		
Subject / Discipline/ Major	Electronics and Communication Engineering		
Educational Qualifications	Exam Passed	Institution University	Year
	Degree: BE	RV College of Engineering	2001
	PG: M.Tech(VLSI)	BMSCE	2008
	Higher: (Pursuing Ph.D)	RV College of Engineering BIOMEDICAL SIGNAL PROCESSING	
Experience	Nature of Experience	No. of Years	
	Teaching	18	
	Industry/Research	2	
	Total No. of years of Experience	20	
Experience Details	Designation	Institution/ Organization	Duration
	Assistant professor	RNS Institute of Technology	FEB 2011 – till date
	Assistant professor	CAMBRIDGE INSTITUTE OF TECHNOLOGY	Aug 2008 – JAN 2011
	Assistant professor	RITM	JAN 2006 – AUG 2008
	Assistant professor	CEC	JULY 2005- DEC 2005
	Assistant professor	DBIT	JULY 2003- JULY 2005
	Assistant professor	COGN SOFT	JAN 2003
	Assistant professor	DR AIT	JAN 2002
	Assistant professor	SUNTECH	JULY 2001
Professional bodies Membership details	<ul style="list-style-type: none"> • IEEE 92548236 • LMISTE LM56820 		
Other Professional Experiences	<ul style="list-style-type: none"> • MENTOR FOR STARTUPS UNDER MSME • AUTHOR OF TECHNICAL BOOKS • KANNADA POET 		
Areas of Research Interest & Guidance	<ul style="list-style-type: none"> • BIOMEDICAL SIGNAL PROCESSING 		
National/ International Work Shops/ Seminars / Conferences Attended	<ul style="list-style-type: none"> • ATAL FDP on “Recent Trends in the world of Photonics” from 26th July to 30th July 2021(5 Days) at RNSIT,Bengaluru. • ATAL FDP on “FUTURE WIRELESS COMMUNICATION STANDARDS AND TECHNOLOGIES” from 24th MAY to 29th MAY 2021 (6 Days) at KSIT, Bengaluru. • 3 days FDP on “<i>Python programming and applications</i>” from 18 – 20, June 2018 at RNSIT, Bengaluru. • IEEE sponsored3-day workshop on “<i>Computer Networks Laboratory using NS3, NCTUNS and C/C++</i>” during January 23-25, 2018 at RNSIT, Bengaluru. 		

- FDP on “*Special Topics in Optics and Photonics*” from 27th to 28th January - 2017 (2 Days) at RNSIT, Bengaluru.
- AICTE Sponsored Industry Institute Partnership Cell Activity, One-week Faculty Development Program on “Lab View And Its Applications In Engineering”, Organised jointly by Dept Of TE, BMSCE, National Instruments, IET Bangalore Network, Held at BMS College Of Engineering, Bangalore on 11th -16th July, 2011.
- National Workshop on “Wireless Communications”, Organised by BNMIT with International Institute Of Information Technology, Bangalore Held at J.N. Tata Auditorium, Indian Institute Of Science on 17th & 18th August, 2007.
- National Workshop on “Image Processing And Its Applications”, Organised by Dept of ECE & TC, Held at S.J.C. Institute Of Technology, Chikkaballapur on 8th & 9th October, 2009.
- National Workshop on “Microstrip Antennas & Advanced Communication Systems”, Organised by Dept of ECE & TC, Held at Sir M Visveswaraya Institute Of Technology, Bangalore on 3rd and 4th February, 2009.
- Microwind National Workshop on “CMOS VLSI & ASIC Designs Using Microwind Tool”, Organised by Dept of ECE, Technical presentation & lab guided by silicon Micro Systems & ni Logiv Pvt Ltd, Held at BMS College Of Engineering, Bangalore on 31st August & 1st Sep, 2007.
- National Workshop On “SDR Based Wireless Communication System Design”, Organised by Dept of TCE, sponsored by Benchmark Electronic Systems Pvt Ltd Held at BMS College Of Engineering, Bangalore on 27th November, 2009.
- AICTE sponsored Staff Development Program On “VLSI For Multimedia Application & Telecommunication Systems”, Organised by Dept of ECE, Held at Oxford College Of Engineering From 14th June-26th June, 2010.
- Workshop on “National Conference on Recent Trends In Electronics & Communication”, NCRTEC-2013 Organised by Dept of ECE, Held at K.S. Institute Of Technology, Bangalore on 30th August, 2013
- Workshop on Faculty Development Program on “NI Lab View And Hardware Interfaces For Communication”, Organised by Dept of ECE & TCE, Held at Sir M Visveswaraya Institute Of Technology, Bangalore on 25th and 26th July, 2013
- Actively Involved In Organising 2013 International Conference On Circuits, Controls & Communications (CCUBE), Held at RNSIT, Organised by Dept of ECE, IEE & IT, on December 27th, 28th, 2013.
- Workshop On “LABVIEW”, Organised by Dept of ECE, Held at Cambridge Institute Of Technology on 8th h & 9th March, 2012.
- Workshop On “Digital Image Processing”, Organised by Dept of ECE, Held at Cambridge Institute Of Technology on 9th & 10th December, 2011.
- Faculty Development Program On “Living Different”- The Art & Science Of Flourishing, held at PES Institute Of Technology, Bangalore on 30th May, 2015.
- Workshop on “ARM Powered With Perfect RTOS”, Organised By Dr. Ambedkar Institute Of Technology, Bangalore, conducted by Innovate Software Solutions, on 18th November, 2011.
- Faculty Development Program On “MAT LAB and its Applications to DSP, DIP AND Power Electronics”, Organised by Dept Of ECE, RNSIT, Bangalore, from 25th to 29th July, 2011.
- Short term Training programme on “MSP 430 Microcontroller and Programming”, Organised by Dept Of Instrumentation Technology, RNSIT, Bangalore, on 27th January, 2012
- Workshop on “PSOC”, in association with M/S Cypress Semiconductor Technology Pvt Ltd, at RNSIT on 14th March, 2013
- Workshop on Labview Organised by Dept Of ECE, RNSIT, Bangalore, on 7th & 8th February, 2013
- Workshop on “Antenna Design & Simulation Techniques”, Organised by Dept Of ECE, RNSIT, Bangalore, on June 16th & 17th, 2015.

Papers Presented / Books Published

Books published:

- Narendra Kumar, Somashekar.K, Praveen.G, “Basic Electronics” II edition, August 2020, Excellent Engineer Publications Bangalore. 190 pages
- Narendra Kumar, Leena Chandrashekar, Vinay R, “Linear Integrated circuits”, Excellent Engineer Publications, March 2019, ISBN: 978-81-931935-0-1. 190 pages

- Narendra Kumar, K Somashekhar, G Praveen “Basic Electronics”, Excellent Publications, October 2018, ISBN: 978-81-931935-4-9. 245 pages
- Narendra Kumar, Sanjay M Belgovonkar , G Praveen, “principles of communication systems”, Excellent Engineer Publications, Feb 2018, ISBN: 978-81-931935-3-2. 220 pages
- Hemalatha , Ramprasad , Narendra Kumar, “ Microprocessors and Microcontrollers”, March 2017, Excellent Engineer Publication, ISBN: 978-81-931935-0-5. 200 pages
- Narendra Kumar Narayana T Deshpande ,“Digital Communication”, March 2016, Excellent Engineer Publication, ISBN: 978-81-931935-1-8. 240 pages
- NarendraKumar ,“Optical Fiber Communication”, 2nd Edition, August 2015, Excellent Engineer Publication. 250 pages
- Narendra Kumar, Somashekhar.K, Praveen.G, “Basic Electronics” I edition, August 2014, Excellent Engineer Publications Bangalore. 190 pages
- Narendra Kumar-Textbook: "Microcontrollers" edition II,2014, Prism publications. 250 pages
- Shailendra Rajaput, Narendra Kumar-Textbook: "Microprocessors 8086" edition II,2014, Prism publications. ISBN: 978-81-728682-6-0. 300 pages
- Narendra kumar “Analog communication” I Edition, Excellent Engineer Publications Bangalore 2013.
- Narendra kumar “Microprocessors 8086” I Edition, Excellent Engineer Publications Bangalore 2013.
- Narendrakumar, “optical fiber communication” I Edition, Excellent Engineer Publications Bangalore 2012

PAPER PUBLISHED:

- Paper on “AN EMERGENCY PORTABLE VENTILATOR FOR COVID PATIENTS WITH ACUTE BREATHING DIFFICULTY”at the International journal of innovative technology and exploring engineering (IJITEE) ISSN 2278-3075 VOLUME 10 ISSUE 1 NOVEMBER 2020 PAGE 251-255
- Paper Presented on “Labview Based Text To Speech Processor For Blind And Dumb People”at the International Academic Conference on Electrical and Electronics Engineering (IACEEE) Held at Bangalore on 17th May 2015.
- Paper Presented on “Implementing PSOC To Harness Energy For Satellite By Employing Multilayered Piezo Electric Crystals”at the International Academic Conference Held at Padiyala, Punjab on October 2013.
- Paper Presented on “Speech Recognised Calculator”, at the ISRACE Second International Conference on Recent Advances In Science And Engineering (ICRACE-2015) Held at Bangalore on 9th & 10th May 2015.
- Paper Presented on “A Novel Method For Multiply Accumulate Operation Optimized For Hardware Implementation Using Vedic MAC”,in 2nd International Conference on recent trends in Signal Processing, Image Processing & VLSI” Organised by Department Of Electronics and Communication Engineering ,Held at Don Bosco Institute Of Technology on 15th & 16th May,2015.
- Paper Presented on “Time Division Multiplexing Using LABVIEW” in NCTVDT-I3, Held at Don Bosco Institute Of Technology From 2-4th May,2013.
- Paper Presented on “Digital System Design and Implementation for FPGA Based System –On A-Chip”at the National Conference On Recent Advances In Electronics And Communication Engineering-NCRAECE’13, Organised by Department Of Electronics and Communication Engineering RNSIT ,In Association With IMAPS & IETE,Held at RNSIT,Bangalore on May, 3rd 2013.
- Paper Presented on “Obstacle Detection And Distance Measurement For Vehicle Parking Using Labview” at the National Conference On Recent Advances In Electronics And Communication Engineering-NCRAECE’13, Organised by Department Of Electronics and Communication Engineering RNSIT ,In Association With IMAPS & IETE,Held at RNSIT,Bangalore on May, 3rd 2013.

- Paper Presented on “Automated HeadLight Intensity Controller” at the National Conference On Recent Advances In Electronics And Communication Engineering-NCRAECE’13, Organised by Department of Electronics and Communication Engineering RNSIT ,In Association With IMAPS & IETE,Held at RNSIT,Bangalore on May 3rd 2013.
- Paper Presented on “Design And Implementation Of AMBA Bases Complex AHB Interface With DMAC on FPGA”at the National Conference on Recent Trends In Communication And Networking” Organised by the Department Of Telecommunication Engineering ,Held at Don Bosco Institute Of Technology on 27th & 28th March,2013.
- Paper Presented on “PSOC Based Smart Sensor For Gas Leakage Detection and Its Automatic Control”at the National Conference On Emerging Trends In Engineering And Technology, Organised by Department Of Electronics and Communication Engineering, Held at Saphagiri College Of Engineering on 11th May,2013.
- Paper Presented on “Ultrasonic Doppler Shift Detection And Its Application In Automobile Collision Control”,at the National Conference On Recent Advances In Electronics And Communication, Organised by Department Of Electronics and Communication Engineering, Held at New Horizon College Of Engineering, Bangalore on 24th May,2013.
- Paper Presented on “GSM Based Wireless Bulletin Board”,at the National Conference On Recent Advances In Electronics And Communication, Organised by Department Of Electronics and Communication Engineering Held at New Horizon College Of Engineering, Bangalore on 24th May,2013.
- Paper Presented on “A Novel Based approach On Designing And Development Freezer Using Solar Radiation-A Hot Idea For Cooling”,at the National Conference On Advances In Mechanical Engineering, Organised by Department Of Mechanical Engineering Held at KSSEM, Bangalore on 28th April,2015.
- Paper Presented on “A Novel Accumalate Method To Multiply Accumulate Operation”,at the National Conference On Advanced Communication,VLSI Design & Signal Processing-NCCVS-15 I Organised by Department Of Electronics &Communication Engineering Held at KSSEM, Bangalore on 29th April,2015.
- Paper Presented on “Speech Recognised Calculator”,at the National Level Post Graduate Sympsiom Technocracy ‘15, Held at Shree Devi Institute Of Technology,Kenjar,Mangalore on 8th May,2015.
- Paper Presented on “Lab View Based Automated Car Lighting” at the National Conference On Innovations In Communication And Computation,Organised by the Department Of Telecommunication Engineering KSIT ,Held at KSIT, Bangalore on October 18th 2014.
- Paper Presented on “Implementation Of Cuckoo Hashing Algorithm For NIDS” at the National Conference On recent advances In Communications Networks,NCRACN’14, 2014.
- Paper Presented on “Wireless Based Real Time data Acquisition Using Multi Node Embedded Systems For Industrial Parameter Monitoring” at the National Conference On Proceedings Of Second National Conference OnWireless Control And Communication Technologies NCWCT-2014,Organised by the Department Of Telecommunication Engineering,Held at Dr.AIT, Bangalore on April 24th &25th 2014.

Additional Information
(if any)

Part of Kannada Writing Team

Workshop Attended

- AICTE sponsored Staff Development Program On “ VLSI For Multimedia Application & Telecommunication Systems”, Organised by Dept of ECE, Held at Oxford College Of Engineering From 14th June-26th June,2010.
- Workshop on “National Conference on Recent Trends In Electronics & Communication”, NCRTEC-2013 Organised by Dept of ECE,Held at K.S.Institute Of Technology,Bangalore on 30th August,2013
- Workshop on Faculty Development Program on “NI Lab View And Hardware Interfaces For Communication”, Organised by Dept of ECE &TCE, Held at Sir M Visveswaraya Institute Of Technology,Bangalore on 25th and 26th July,2013

- Actively Involved In Organising 2013 International Conference On Circuits, Controls & Communications(CCUBE),Held at RNSIT, Organised by Dept of ECE,IEE & IT,on December27th,28th ,2013.
- Workshop On “LABVIEW”, Organised by Dept of ECE, Held at Cambridge Institute Of Technology on 8th h &9th March,2012.
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- Workshop on “ Antenna Design & Simulation Techniques”, Organised by Dept Of ECE,RNSIT,Bangalore, on June 16th &17th ,2015