

Name	<b>Dr C N Prabhavathi</b>		
Date of Birth	29/11/1976		
Address	<b>Contact Address: Associate Professor, Department of ECE, RNSIT, Bangalore-98.</b> <b>Residential Address: #1019, Sri Lakshmi Nilaya, Bhanashankari 6<sup>th</sup> stage, 5<sup>th</sup> block, Bangalore 560109</b> <b>E-mail: <a href="mailto:prabhacngowda@gmail.com">prabhacngowda@gmail.com</a></b> <b>Mobile Number: 9739644937</b>		
Subject / Discipline/ Major	Electronics and Communication Engineering		
Educational Qualifications	<b>Exam Passed</b>	<b>Institution   University</b>	<b>Year</b>
	Degree: BE(Branch)	Mysore University	1999
	PG: M.Tech(Branch)	VTU	2006
	Higher: Ph.D	Jain University	2017
Experience	<b>Nature of Experience</b>	<b>No. of Years</b>	
	Teaching	20 yrs	
	Industry/Research	-	
	Total No. of years of Experience	20 yrs	
Experience Details	<b>Designation</b>	<b>Institution/ Organization</b>	<b>Duration</b>
	Associate professor	RNSIT	Nov 2020 – till date
	Assistant professor	RNSIT	Nov 2010 – Oct 2020
	Lecturer/Senior Lecturer	RNSIT	Sep 2005 – Oct 2010
	Lecturer	RNSIT	1 year
	Lecturer	Jnana Vikas Institute of Technology, Bidadi	Sep 2002-Oct 2004
	Lecturer	Coorg Institute of technology , Gonikoppa, Coorg.	Oct 2000-Jan2002
	Lecturer	PES College of Engg., Mandya	Oct 1999 –Aug 2000
Professional bodies Membership details	ISTE- LM42816		
Other Professional Experiences			
Areas of Research Interest & Guidance	<ul style="list-style-type: none"> <li>Research of interest is Signal Processing and communication.</li> <li>Guiding a Research Scholar Under Visvesvaraya Technological University (VTU) on the topic “A Quantitative Estimation of Electroencephalographic Indices and State Classification using Machine Learning”</li> </ul>		
	<ul style="list-style-type: none"> <li>Organized One day National Conference on Emerging Trends in Engineering Science and Technology during June 4, 2018.</li> <li>Organizing committee member for conducting 3 day workshop on Computer Networks Laboratory using NS3, NCTUNS and C++ during January 2018.</li> <li>Valuation coordinator from the department in the year 2014-2015</li> <li>Involved as a Technical Committee Member in the National Conference on Recent Advances in Electronics and Communication Engineering – NCRAECE13, during MAY 3, 2013 at RNSIT .</li> </ul>		
National/ International Work Shops/ Seminars / Conferences Attended			

- Organizing committee member for AICTE sponsored two week FDP programme on Advanced Communication Technologies during JULY 15-27,2013.
- Attended several FDPs on Communication Networking, python, Matlab, Signal Processing, IoT.s and so on. , organized by AICTE, ATAL FDP

### **Workshops Attended**

- Workshop on Machine Learning and AI, RNSIT, Jan 30, 31 and 1 Feb, 2020.
- Online 5 day Faculty Development Programme on Machine Learning and Deep Learning Applications in Engineering & Science from 16th to 20th May 2020 organized by Govt .college of Engg ,karad
- one week National Level Online Short Time Training Program on "**MATLAB for ALL**" from 4<sup>th</sup> June to 8<sup>th</sup> June, organized by Sir MVIT college, dept of EEE , Bangalore .
- 3 day fdp on "Satellite and Automation" from 11th to 13th May 2020 , organized by GSSS Institute of Engineering and Technology for Women, Mysuru .
- Three **days Faculty Development** Program on "Preparing ourselves to be relevant Post-Lockdown", from 4th to 6th May 2020, organized by unnati Faculty Development Cell, Sheshadripuram college, Bangalore
- 3 Day Webinar on "Funding Opportunities – Proposals and Research projects for faculty" from 18th June to 20th June, organized by Cambridge Institute of Technology, Bangalore.
- Participated in 6-days AICTE-ISTE Induction/Refresher program on 'Next Generation Wireless Communication: 5G and it's implementation' organized by the Department of Electronics & Communication Engineering from 21st to 26th December 2020, KSIT Bangalore.

### **2 day Webinars**

- "Multicarrier modulation for broadband communication and Reducing the Entropy of the world-SOCs for wireless communications" on ay 7th and 8th, organised by RVCE, Dept of ECE.
- "Accelerated design approach for Antenna and Antenna arrays" using Altair Feko ,On May 26 and 27, 2020 organized by dept of ECE, Bangalore institute of technology , Bangalore.
- 2 days National level webinar on "Beyond Curriculum- Key to Happy Life" on 12<sup>th</sup> and 13<sup>th</sup> June 2020, organized by Sir MVIT ,Bagalore.
- 2 day webinar on webinar Lecture series 1- 2020" on "**WEBINAR ON AI FOR SMART HEALTH**" and "**Trends that will shape the world in next decade**" 12<sup>th</sup> and 13<sup>th</sup> June 2020 , organized by Oxfoed college of Engg ,Dept. of ECE, Bangalore

### **1 day Webinars**

- "Covid 19 is it a blessing in disguise? "on 22/5/2020, organised by Dept of telecommunication , BIT Bangalore,
- "Chip design and its applications" on 28th May 2020 organised be Dept ECE SJBIT, Bangalore.
- "Keeping the hope and motivation high during troubled times " on 6/6/2020 organised by RNSIT ,ECE dept, Bangalore.
- "AI FOR SMART HEALTH" on 12/6/2020, organized by dept. of ECE, Oxford college of Engg, Bangalore.
- " Search Engine Optimization Techniques" on 13/6/2020, organized by dept. of MCA, RNSIT, Bangalore
- "Career Opportunities in VLSI Industry" held on 12th June 2020, organized by saphagiri Institute of Technology , Bangalore .
- "Health & Wellness" on 14th June 2002, organised by Chronic Foundation( Pride Run team) along with Rotary & Run Addicts , Bangalore
- "Search Engine Optimization Technique", on 13<sup>th</sup> June 2020, organized by dept. of MCA, RNSIT ,Bangalore[ webinar Link - <https://global.gotowebinar.com/register/669097515>]

- Microstrip antennas, future trends and applications on 13<sup>th</sup> June , 2020, , organized by dept. of ECE,BIT ,Bangalore

### **ATAL FDPs:**

- AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Recent Trends in the world of Photonics" from 2021-07-26 to 2021-07-30 at R N S Institute of Technology
- AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Smart Sensors Based Industrial Automation and Healthcare Technology" from 2021-06-07 to 2021-06-11 at P.S.R Engineering College.
- Training And Learning (ATAL) Academy Online Elementary FDP on "Internet of Things" from 2021-6-1 to 2021-6-5 at Department of Computer Science & IT, University of Jammu

Papers Presented /Books Published

### **International Conference Paper :**

- Prabhavathi C.N., Dr. K.M. Ravikumar,," **A Fast Adaptive Kalman Filtering Algorithm For Speech Enhancement Under Stationary Noise Environment** ",First International Conference on Power, Circuit and Information Technologies ,ICPCIT 2015.
- Sarvasva S , Prabhavathi C.N "**Packet Data Analysis in Wireless Network** " in 7th International Conference on Advancing in Science Engg. and Technology ,2016.
- Chethan S.G , Dr C.N Prabhavathi ," **Administration Based Network Computing for Enterprise System** " -presented in CCUBE 2017

### **Journals Published :**

- Prabhavathi C.N., Dr.K.M. Ravikumar "**Acoustic Noise Classification and Characterization Using Statistical Properties**" , International journal of Emerging Technology and Advanced Engg.,ISSN 2250-2459, ISO 9001:2008 ,vol. 4 ,Issue 6, June 2014 .
- Prabhavathi C.N., Dr.K.M. Ravikumar ,"**Intelligibility Of Speech Using Short Time Fourier Transform Phase Spectrum**" International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 18 ,pp 39550-39557 ,2015 ( **Scopus Indexed Journal** )
- Swathi M.N, Dr. C.N Prabhavathi "**Feature Selection and Classification of Epilepsy from Electroencephelogram signal** " International Journal of Engineering Science and Management, Vol :1, No. 3, pp 64-70, Dec 2019( VTU journal)
- Sony C, Rakshitha M, Divya, Shreya T, Dr. C N Prabhavathi " Kissan-Kiosk for Rural Areas using Microcontroller " International Research Journal of Engineering and Technology (IRJET), Volume: 07 Issue: 04 p3689-3693, Apr 2020[ impact factor: 7.529]
- Rajkumar, Radhakrishna K, PramodKumar N D, Sriharsha M, Dr. C N Prabhavathi "Review on ARM based Self Security System for Woman and Physically Challenged" , International Research Journal of Engineering and Technology (IRJET), Volume: 07 Issue: 04 p2780-2784, Apr 2020 [ impact factor: 7.529]

### **Publication in Springer Book:**

- N. Yogesh N , C. N. Prabhavathi " IoT Based Multifunctional War Architecture Terror Bot" International Journal of Research in Engineering, Science and Management ( ijresm) Volume-3, Issue-5, May-2020 ,p489-490

### **National Conference :**

- Raksha Desai ,C.N Prabhavathi, "Short Time Fourier Transform For Human Listening Tests Using Phase Spectrum " , National Level Conference – Kshitij -2015, SJCIT.

	<ul style="list-style-type: none"> <li>• Premila, C.N Prabhavathi ,”ECG and PPG Evaluation for blood level stiffness estimation”, IETE sponsored National conference on Emerging Trends in Engineering Science and Technology “, 2016 RNSIT</li> <li>• M V Ritu, Manasa N L, Rakshitha R R, Ranjani K N, Dr. C N Prabhavathi” IMAGE PROCESSING AND BONE CONDUCTION FOR THE DEAF AND BLIND PEOPLE” ,IETE sponsored National conference on Emerging Trends in Engineering Science and Technology “,2017 , RNSIT</li> <li>• Palak,Prakar Mishra, Shahank Mishra, Prasoon, Dr C.N Prabhavathi ,” Smart Speech Recognition and Translation” IEEE sponsored National Conference on Electronics and Communication Engineering , 2019 DSCE</li> <li>• Sanjana s, Rashmi , Prashanth Mane, Dr C N Prabhavathi, ” Elevator Control Using voice recognition Technique”, ,IETE sponsored National conference on Emerging Trends in Engineering Science and Technology “,2021 , RNSIT .</li> <li>• Rishabh Chaturvedi, Satyam Kumar, Vanshika ,Vivek Srivastava, Dr C N Prabhavathi, ” Enhanced Parking and Automatic Street Light control in Smart Cities”, ,IETE sponsored National conference on Emerging Trends in Engineering Science and Technology “,2021 , RNSIT</li> <li>• <b>Authored a text book on Introduction to Microwave and Antennas.</b></li> </ul>
<p><b>Additional Information</b> (if any)</p>	<ul style="list-style-type: none"> <li>• In charge of Mini project coordinator</li> <li>• Had been in charge for college magazine coordinator, department magazine coordinator, project coordinator .</li> <li>• Have been session chair for National Conferences NCETEST- organized by RNSIT .</li> <li>• Had been judge for the major project Open house and mini project open house held at RNSIT</li> <li>• Participated and secured “S+ Grade” in a one week National Level Online Short Time Training Program on "MATLAB for ALL" during 04th June to 8th June 2020 organized by the Department of Electrical and Electronics Engineering , SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bangalore-562157.</li> </ul>
<p>Certification Course:</p>	<ul style="list-style-type: none"> <li>• Online certification course on Matlab Onramp from Matlab</li> <li>• Online certification course on Machine learning Onramp from Matlab</li> <li>• Online certification course on Deep learning Onramp from Matlab.</li> </ul>