

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

<b>Name</b>	<b>Geetha G</b>		
<b>Date of Birth</b>	12/09/1990		
<b>Address</b>	<b>Contact Address:</b> Asst Professor, Department of ECE, RNSIT, Bangalore-98 <b>E-mail:</b> <a href="mailto:geethag.rnsit@gmail.com">geethag.rnsit@gmail.com</a> , <a href="mailto:geethag@rnsit.ac.in">geethag@rnsit.ac.in</a>		
<b>Subject / Discipline/ Major</b>	Electronics and Communication Engineering		
<b>Educational Qualifications</b>	<b>Exam Passed</b>	<b>Institution   University</b>	<b>Year</b>
	<b>Degree:</b> BE (Electronics and Communication)	BNMIT, VTU	2012
	<b>PG:</b> M.Tech (VLSI and Embedded Systems)	BNMIT, VTU	2014
<b>Experience</b>	<b>Nature of Experience</b>	<b>No. of Years</b>	
	Teaching	6	
	Industry/Research	-	
	Total No. of years of Experience	6	
<b>Experience Details</b>	<b>Designation</b>	<b>Institution/ Organization</b>	<b>Duration</b>
	Assistant professor	RNSIT	Aug 2016 - till date
	Assistant professor	TOCE	July 2014 - June 2015
<b>Professional bodies Membership details</b>			
<b>Other Professional Experiences</b>			
<b>Areas of Research Interest &amp; Guidance</b>	VLSI & Embedded Systems, Image Processing, Cryptography		
<b>National/ International Work Shops/ Seminars / Conferences Attended</b>	<ul style="list-style-type: none"> <li>Participated and completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "<b>Recent Trends in the world of Photonics</b>" from 26-07-2021 to 30-07-2021 at R N S Institute of Technology.</li> <li>Participated in 6-days online AICTE-ISTE funded Induction / Refresher program (3rd - Phase) on "<b>Future Wireless Communication: Standards &amp; Technologies</b>" organized by the Department of Electronics &amp; Communication Engineering, KSIT, between 24th - 29th May 2021.</li> <li>One Week Online Faculty Development Program on "<b>MATLAB APPLICATIONS IN ENGINEERING AND SCIENCE</b>" (27th April 2020 to 01st May 2020) under Technical Education Quality Improvement Program – III jointly organized by GOVERNMENT COLLEGE OF ENGINEERING KARAD &amp; RAJKIYA ENGINEERING COLLEGE AZAMGARH.</li> <li>One Week Online Faculty Development Program on "<b>Machine Learning and Deep Learning Applications in Engineering &amp; Science</b>" (16th May 2020 to 20th May 2020) under Technical Education Quality Improvement Program – III jointly organized by GOVERNMENT COLLEGE OF ENGINEERING KARAD &amp; RAJKIYA ENGINEERING COLLEGE AZAMGARH.</li> <li>3 days FDP on "<b>Recent Technology – 2020</b>", organized by Department of electronics and Instrumentation, SRM Institute of Science and Technology from 15<sup>th</sup> – 17<sup>th</sup> may 2020.</li> </ul>		

Papers Presented  
/Books Published

- 5 days online FDP on “**Machiene Learning and Deep Learning**” held from 27-31 May, 2020, organized by the Department of Electronics and Instrumentation Engineering, SRM Institute and Technology, Kattankulathur.
- Organizing committee member for 3 day FDP on “**Machine Learning and Deep Learning using Python**” during January 30, 31 & February 01, 2020.
- 1 week workshop on “**Non linear Biomedical Signal Processing**” organized by dept of Medical Electronics, RIT, Bengaluru during 6<sup>th</sup> – 11<sup>th</sup> January 2020.
- 3 days workshop on “**Experiential Learning on Electronic Devices & Digital System Design**”, held on 15<sup>th</sup> to 17<sup>th</sup> July 2019 in the Dept of ECE, SJBIT, Bengaluru.
- 5-Day FDP on “**Analog VLSI Design**” (Using Cadence Tool ) (AVLSID-2019) 24 – 28 June 2019, Organized by Dept. of ECE & Entuple Technologies, DSCE, Bengaluru.
- IETE International Conference India (ICI – 2018) on “**Advances and Applications of IoT, Bigdata Analytics and 5G**” as delegate held at U R Rao Iatellite Centre, Bangalore, 13 – 15 Dec 2018.
- 3 days FDP on “**Python programming and applications**” from 18 – 20, June 2018 at RNSIT, Bengaluru.
- Was a “**member of Organizing Committee**” of IETE Sponsered National Conference on “Emering Treands in Engineering and Technology” held on Friday, May 04, 2018.
- IEEE sponcered 3 day workshop on “**Computer Networks Laboratory using NS3, NCTUNS and C/C++**” during January 23-25, 2018 at RNSIT, Bengaluru.
- FDP on “**Design of Embedded Systems with ARM Cortex M3**” from 16<sup>th</sup> to 20<sup>th</sup> January – 2018 (5 Days) at BIT, Bengaluru.
- FDP on “**Special Topics in Optics and Photonics**” from 27<sup>th</sup> to 28<sup>th</sup> January - 2017 (2 Days) at RNSIT, Bengaluru.
- Research paper “**Improving Taxi Revenue using Reinforcement Learning**” <sup>1</sup>Shahil Subham, <sup>2</sup>Saurabh Singh, <sup>3</sup>Anusha Sunil Kumar, <sup>4</sup>Farheen Fatima, <sup>5</sup>Geetha G, published in International Journal of Engineering Research & Technology (IJERT), ISSN:2278-00181, Volume 8, Issue 11, IETE-2020 Conference Proceedings, Special issue – 2020.
- Research paper “**Application of different filters for noise removal in digital images**”, <sup>1</sup>Sampath Kumar R, <sup>2</sup>Satish Kumar .T, <sup>3</sup>K M Nagaraja and <sup>4</sup>Geetha G is published in Tata Mc Graw Hill journal at International Conference on Signal, Image Processing, Communication and Automation on 6<sup>th</sup> and 7<sup>th</sup> July 2017 held at JSSATE.
- Research paper “**An Implementation of matrix based mapping method using Elliptic Curve Cryptography**”, <sup>1</sup>Geetha G, <sup>2</sup>Padmaja Jain published in international journal – IJCATR, Volume 3, Issue 5, May 2014 Edition on 16<sup>th</sup> May 2014. Ghousia Begum S., Vipula Singh, “Efficient and fully Automatic ECG Abnormality Diagnostic System” The International Conference on Multimedia and Content Based Information Retrieval (ICMCBIR) July 2012.

Additional Information  
(if any)

- Successfully completed **Predictive Analytics Modeler 2020 Mastery Exam, got eligible for a Mastery Award Digital Badge from IBM skills academy** on 24/09/2020.
- Successfully completed 6 weeks **Coursera course on Introduction to the Biology of Cancer on aug 21, 2020 from Johns Hopkins University.**
- Successfully completed 4 weeks **Coursera course on Machine Learning for All on aug 15, 2020 from the University of London.**
- Successfully completed 7 weeks **Coursera course on Programming for Everybody (Getting started with Python) on aug 15, 2020 from University of Michigan.**
- Successfully completed 8 weeks (aug – oct 2019) **NPTEL online certification course on Hardware Modeling Using Verilog**, with a consolidated score of 77% conducted by **IIT Kharagpur.**
- Successfully completed 8 weeks (aug – oct 2019) **NPTEL online certification course on Introduction to Research**, with a consolidated score of 69% conducted by **IIT Madras.**
- Qualified as Assistant Professor in **NTA NET**, National Eligibility Test for lecturer ship conducted by NTA Board, July 2019
- Successfully completed 8 weeks (jan – march 2019) **NPTEL online certification course on Embedded System Design with ARM**, with a consolidated score of 82% conducted by **IIT Kharagpur.**

- Pursued six months **course** on **Advanced Embedded Systems** at *Vector India Pvt Ltd*, Bangalore, from Oct 2015 to April 2016.
- Qualified as Assistant Professor in *KSET*, Karnataka State Eligibility Test for lecturer ship conducted by Mysore University, December 2015.