Personal Information

Name	Dr Nagesh Deevi
Years of Experience	Teaching: 7 Years Research: 3 Years
Email Id	nagesh.d@bvrithyderabad.edu.in
Areas of Specialization	RF-VLSI, Sub THz & THz Component Design

Educational Qualifications

Doctoral Degree	Ph.D.	ECE – RF-VLSI
PG Degree	M.Tech.	Embedded Systems
UG Degree	B. Tech	Electronics and Communications Engineering

Patent Filed/Published/ Granted

1. **Title: A Robotics-Human and Machine Collaboration System for Healthcare Units**
   Inventor: Dr Nagesh Deevi
   Status: Granted on 25/05/2022
   Application No: 2022/00146

2. **Title: Multi-Tenant Routing Gateway for IoT Devices**
   Inventor: Dr Nagesh Deevi
   Status: Published on 04/03/2022
   Application No: 202231005505 A

3. **Title: A System for Tagging IoT Device Based on Convolutional Neural Network (CNN) And Method Thereof**
   Inventor: Dr Nagesh Deevi
   Status: Published on 03/12/2021
   Application No: 202141051612 A

Papers Published

International Journal Publications

1. Nagesh. Deevi and N. Bheema Rao, "Parameter Optimized High Q On-chip Inductor for RF applications", International Journal of Electrical Electronics & Telecommunication Engineering, ISSN: 2051 -3240, Vol.45, Issue.2 Pg.No:1476-1479.

2. Nagesh. Deevi and N. Bheema Rao, "Multi-layer On-Chip Inductor for 10-100 GHz Frequency Applications", IET-Electronics Letters, 5th February 2015 Vol. 51 No. 3 pp. 270-272.

3. Nagesh. Deevi and N. Bheema Rao, "Optimized Fractal Inductor for RF Applications", ARPN Journal of Engineering and Applied Sciences, Vol. 11, No. 5, March-2016, pp.3228-3232.

4. Nagesh. Deevi and N. Bheema Rao, "Analysis of Miniature On-Chip 3-D Inductor for RF Circuits", ARPN Journal of Engineering and Applied Sciences, Vol. 11, No. 5, March-2016, pp.3276-3279.

5. Nagesh. Deevi and N. Bheema Rao, "Miniature On-Chip Band Pass Filter for RF Applications", Journal of Microsystem Technologies-Springer, Vol 22, No 8, August 2016, pp.633 638.

6. Nagesh. Deevi, "On-chip Pentagonal Fractal Inductor for THz Frequency Applications", International Journal of Engineering Research in Electronics and Communication Engineering, Volume 5, Issue 2, February 2018, pp.64-66.

7. Nagesh. Deevi and N. Bheema Rao, "High Performance Multilayer Transformer for wireless Applications", International Journal of Engineering & Technology, Volume 7, Issue 3, 2018, pp. 458-461.

8. Subodh Panda, D. Sirisha, Srinivas Akula, Nagesh Deevi, "Designing and Modelling of a Portable System for detection of COVID-19", SHODH SARITA, Volume 7, Issue 27(II) July Sept 2020.

9. Subodh Panda, Misbahuddin Mahammad, Nagesh Deevi, Srinivas Akul, "Model Designing of DC Motor Instant Stopping for Robotic and Automation", Advances and Applications in Mathematical Sciences, Volume 20, Issue 11, Pages 2677-2682, September 2021.

10. V Prasanth, K Babulu and Nagesh Deevi, "Design and Implementation of Low Power 128 Bit AES Pipelined Encryption Using Clock Gating On 28nm FPGA", Advances and Applications in Mathematical Sciences, Volume 20, Issue 11, Pages 2535-2541, September 2021.

International Conference Publications

1. Nagesh. Deevi and N. Bheema Rao, "Extraction of on-chip inductor value using McLaren's method for RF Applications", International Conference on Emerging Technologies in Electronics & Communication-ICETEC-13, at Guru Nanak Dev University, Amritsar during 20-22 December 2013.

2. Nagesh. Deevi and N. Bheema Rao, "On-Chip Spiral Inductor for Filter Applications", 3rd International Conference on Computing, Communication and Sensor Network-CCSN- 2014 at Hotel Chankya, PURI during 12-14 December 2014 (IEEE Sponsored)

3. Nagesh. Deevi and N. Bheema Rao, "High Q-factor On-chip Spiral Inductor for Wireless applications", 8th Annual International Conference Antenna Test & Measurement SocietyATMS-2015 at Bangalore during 3-4 February 2015.

4. Nagesh. Deevi and N. Bheema Rao, "Multilayer Grown High-Q On-chip Inductor for RF Applications", 3rd IEEE-International Conference on Signal Processing, Communication and Networking-ICSCN-15 at Madras Institute of Technology, Anna University, Chennai during 26-28 March-2015 (IEEE).

5. Nagesh. Deevi and N. Bheema Rao, "Design of Multilayer On-chip Inductor with Low K Dielectrics for RF applications", 3rd IEEE-International Conference on Signal Processing, Communication and Networking-ICSCN-15 at Madras Institute of Technology, Anna University, Chennai during 26-28 March 2015 (IEEE).

6. Nagesh. Deevi and N. Bheema Rao, "Effect of Conductor Thickness on On-Chip 3-D Inductor for Wireless Applications", 1st IEEE International Conference on Industrial Instrumentation and Control-ICIC 2015 at College of Engineering, PUNE during 28-30 May 2015 (IEEE).

7. Nagesh. Deevi and N. Bheema Rao, "High Q On-chip 3-D capacitor for RF applications", 12th IEEE India International Conference 2015 -INDICON 2015 at Department of Electrical Engineering, Jamia Millia Islamia, New Delhi, India during 17-20 December 2015 (IEEE).

8. Nagesh. Deevi and N. Bheema Rao, "High Performance Bidirectional On-chip Inductor for RF Circuits", 12th IEEE India International Conference 2015 INDICON 2015 at Department of Electrical Engineering, Jamia Millia Islamia, New Delhi, India during 17-20 December 2015

9. Nagesh. Deevi and N. Bheema Rao, "On-Chip Band Pass Filter using Multi-Layer Inductor for RF Circuits",5th International Conference on Computing, Communication and Sensor Network, CCSN-2016 at Kolkata during 24-25 December 2016.

10. Nagesh. Deevi, "Wide-band CLC On-Chip Band Pass Filter using passive components for Sub-

THz frequency applications", 2nd IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (DISCOVER 2018) at Mangalore Institute of Technology and Engineering (MITE), Mangalore during 13-14 August 2018.

11. Nagesh Deevi and N Bheema Rao, "Design and Performance Analysis of Multilayer On Chip Band Pass Filter for RF Circuits", IEEE Asia Pacific Conference on Wireless and Mobile (APWiMob 19), Organized by IEEE-Indonesia section during 5-7 November 2019. (IEEE)

12. B R Sanjeev Reddy and Nagesh Deevi, "Evaluation and Testing of Dual band Reconfigurable Monopole antenna for Cognitive radio applications", International Conference on Wireless Communication-2019 (ICWiCom-19), organized by Department of Electronics and Telecommunication Engineering, D J Sanghvi College of Engineering, Mumbai during 11-12 October 2019.

13. Subodh Panda and Nagesh Deevi, "Fuzzy System Approaching on Designing Intelligent Process – A Modelling for Thermal Power Plant", 2nd International Conference on Power Engineering Computing and CONtro (PECCON 2019), Organized by School of Electrical Engineering, VIT Chennai during 12-14 December 2019

Book Chapters

1. B R Sanjeev Reddy and Nagesh Deevi, "Evaluation and Testing of Dual band Reconfigurable Monopole antenna for Cognitive radio applications" Proceedings of International Conference on Wireless Communication, DOI: 10.1007/978-981-15-1002-1_8

2. Subodh Panda and Nagesh Deevi, "Fuzzy System Approaching on Designing Intelligent Process – A Modelling for Thermal Power Plant" Advances in Smart Grid Technology pp 99–107, DOI: 10.1007/978-981-15-7241-8_8

FDP's/Workshops/Regional Meet Attended

1. Attended Regional Meet as IIC coordinator organized by Institutions Innovation Council, MoE's Innovation Cell held at Sreenidhi Institute of Science and Technology on 12-08-2022.

2. Attended two-week FDP on, Research Methodology jointly organized by Electronics and ICT Academy and IIT Guwahati, 18 - 29 April, 2022.

3. Attended two-week FDP on, IoT & Applications (Smart Systems) jointly organized by Electronics and ICT Academy and IIT Guwahati, 14 - 25 February, 2022.

4. Attended a AICTE ATAL FDP on, "Challenges in adapting Machine Learning towards 5G/6G Communications", organized by Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology, 9-13, August, 2021.

5. Attended a AICTE ATAL FDP on, "Recent Advances in Signal Processing", organized by Jawaharlal Nehru Technological University Kakinada., 2-6, August, 2021.

6. Attended a AICTE ATAL FDP on, "Wearable Devices", organized by National Institute of Technology Jamshedpur, 14-18, December 2020.

7. Attended a Six-Day short term course on, "Latest advancements of Metamaterials in Wireless Communication", organized by AICTE, B V Raju Institute of Technology Narsapur, 12-17, October 2020.

8. Attended a AICTE ATAL FDP on, "Internet of Things", organized by Babasaheb Bhimrao Ambedkar University, 5-10, October 2020.

9. Attended a Six-Day short term course on, "Artificial Intelligence and Deep Learning", organized by E & ICT Academy, NIT Warangal and Pragati Engineering College, 18-23, November, 2019.

10. FDP on Antennas by NPTEL during course work in April 2019.

11. Attended a Six-day short term course on, "Role of Antennas in Software Defined Radio and Military Wireless Applications", Conducted by Dept. of ECE, B V Raju Institute of Technology and E & ICT Academy, NIT Warangal during 27 April-02 May 2017.

FDPs/Workshops/Webinar Organized

1. Organized Six-Day Faculty Development Programme on "ARDUINO based Low-Cost Data Acquisition System using Scilab in association with Spoken Tutorial, IIT Bombay during 8-13, June, 2020.
2. Organized a webinar on "System On-Chip Architecture: An overview" in association IEEE Student Branch on 20 June, 2020.
3. Organized Six-Day Faculty Development Programme on "Artificial Intelligence and Deep Learning" in association with NIT Warangal, under E & ICT Academy during 18-23, November, 2019.
4. Organized a workshop on "Signal Processing Methods for Wireless Channel modelling of Drone-Ground Communication Links" by Prof. K V S Hari, Dept of ECE, IISc, Bangalore in association with IEEE Communications Society and Signal Processing Society Joint Chapter on 29th October, 2019.

Certification Courses/Online Courses

1. Completed the NPTEL course "Joy of Computing using Python" with a score of 79% (Elite+Silver) during January-April 2022.
2. Completed the NPTEL course "Python for Data Science" with a score of 75% (Elite+Silver) during July-August 2022.
3. Completed online course on "Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials", conducted by Indian Institute of Remote Sensing (IIRS), ISRO Dehradun, during 13-06-2020 to 01-07-2020.

Professional Memberships:

1. Member of IEEE (96089761)
2. Fellow Member of SIESRP (LM1 71 899256)

Reviewer Responsibilities:

1. IET-Electronics Letters
2. Journal of Electromagnetic Waves and Applications
3. Wireless Personal Communications

Research Memberships & Identifiers:

1. ORCID ID: 0000-0001-6449-0609
2. Scopus Author ID: 57053565400
3. Researcher ID: 3024231
4. Google Scholar ID: 8NGKf7UAAAAJ

Awards:

1. Selected for prestigious DST-ITG as a **YOUNG RESEARCHER** and visited MALAYSIA to present research papers at ICTEC-15 Conference in November-2015.
2. Received GOLD MEDAL for being a M. Tech topper at college level in year 2012.