

A.Gobinath M.E., (Ph.D),

Assistant Professor/ IT

Velammal College of Engineering and Technology, Madurai

e-Mail Id:agn@vcet.ac.in; gopigopinath10@gmail.com

Educational Qualification:

2015 **M.E : Communication Systems**
Velammal College of Engineering and Technology, Madurai

2011 **B.E : Electronics and Communication Engineering**
Velammal College of Engineering and Technology, Madurai

Experience in Years: 9 Years 4 Months

Employment History:

03/03/2021 – Current	Assistant Professor Velammal College of Engineering and Technology, Madurai
05/08/2018 – 27/02/2021	Assistant Professor Vickram College of Engineering, Madurai
01/07/2017 – 31/03/2018	Assistant Professor Velammal College of Engineering and Technology, Madurai
27/07/2011 – 30/06/2017	Junior Research Fellow Velammal College of Engineering and Technology, Madurai

Interested Research Areas: Electromagnetic Interference and Compatibility, RF and
Microwaves, Antennas, Analog and Digital Communication

Funded Research Projects:

- DRDO Sponsored Research Project: JRF of the research project titled "Reduction Of EMI Emission In High Frequency Circuits Of PCB Configurable By Optimization Techniques" for 3 years 2011-2014 with Rs.21.21 Lakhs funding
- DST Sponsored Research Project: JRF of the research project titled "Conductive concrete blocks from industrial waste as electromagnetic shielding material" for 3 years with Rs.27.54 Lakhs funding

Publications Details:

1. International Journal Publication Details:

1. Gobinath A, Rajeswari P, Suresh Kumar N, (2020) “A Novel Trident shaped Ultra wide Band Textile Antenna” International Journal of New Innovations in Engineering and Technology, Vol.13, No.3.
2. Gobinath A et.al (2020) “A Compact 2 element planar Canonical MIMO antenna design for IoT Applications” Journal of Xidian University, Vol.14, No.11.
3. Gobinath A and Rajeswari P (2020), “Performance Analysis of Microstriplines Interconnect Structure with Novel Guard Trace as Parallel Links for High Speed Dram Interfaces”, International Journal of Wireless Personal Communications, Springer, Vol. 112, No. 1. (Annexure I)
4. Gobinath A.et.al (2017) “Design of Koch Fractal Antenna for Wireless Applications”, International Journal of Engineering Research & Technology
5. Gobinath A.et.al (2017)“Design of Ultra wideband Textile Antenna for Wearable Applications”, International Journal of Engineering Research & Technology
6. Gobinath A.et.al (2016)“A Novel Trident Incurvature Shape DGS to Suppress Radiated Emission in High Speed Printed Circuit Board”, Circuits and Systems, Vol.7, No.10. (Annexure I)
7. Gobinath A.et.al (2016)“Far end crosstalk reduction between parallel microstriplines using U shaped guard trace”, ARPN Journal of Engineering and Applied Sciences, Vol.11. No.5
8. Gobinath A.et.al (2016)“Optimization of Electrical Parameters for Crosstalk Reduction between Parallel High Speed Interconnects Using Particle Swarm Optimization”, International Journal of Electrical, Electronics and Computers.
9. Gobinath A.et.al (2015)“Signal Integrity Analysis of High Speed Interconnects In SATA Connector”, International Journal of Applied Engineering Research, Vol.10.No.7.
10. Gobinath A.et.al (2014)“Investigation of Electromagnetic Coupling Between Microstrip Lines with Defective Ground Structures”, International Journal of Applied Engineering Research, Vol.9.No.21.
11. Gobinath A.et.al (2014)“Analysis of EMI Shielding Effectiveness of Building Materials”, Electrical Engineering: An International Journal.

2. International Conference Presentation Details:

1. Gobinath A., et.al.“A Novel Crosstalk Reduction Technique for Trace Suspension Assembly Interconnects in Hard Disk Drive”, International Conference on “Electromagnetic Interference and Compatibility” (INCEMIC 2016), Society of EMC Engineers (India), 2016
2. Gobinath A., et.al.“ Analysis of Electromagnetic coupling between two non-parallel Micro strip lines on a High Speed Printed Circuit Board”, International conference on Innovations in Electronics, Communications and Computing (ICIECC’14), 2014.
3. Gobinath A., et.al.“ Analysis of EMI shielding effectiveness of Building materials”, International conference on Innovations in Electronics, Communications and Computing (ICIECC’14), 2014.
4. Gobinath A., et.al.“ Crosstalk Reduction in PCB Traces using Various Trace Configurations”, International Conference on Electromagnetic Interference and Compatibility 2012

5. Gobinath A., et.al. "Parameter extraction of planar transmission line structures using various numerical approaches", International Conference on Electromagnetic Interference and Compatibility 2010

3. National Conference Presentation Details:

1. P.Rajeswari., et.al. "Design of Ultra wideband Textile Antenna for Wearable Applications", National Conference on innovation in Electronics, Communication and Computing (NCIECC'17), 2017
2. P.Rajeswari., et.al. " Design of Koch Fractal Antenna for Wireless Applications", National Conference on innovation in Electronics, Communication and Computing (NCIECC'17), 2017

4. Book Publication Details:

1. P.Rajeswari, N.Suresh Kumar, **A.Gobinath** (2020) "Capsule Antenna for Medical Application" ISBN: 978-620-0-31810-7, Lab Lambert Academic Publishing
2. P.Rajeswari, A.Gobinath (2019) "Advances in Engineering Technology – Mitigation Techniques to Reduce Crosstalk in SATA Interconnects" ISBN: 978-93-5335-513-5, Akinik Publications
3. P.Rajeswari, N.Suresh Kumar, **A.Gobinath** (2017) "Signal Integrity In Mother Board – Interconnect Theory and Design" ISBN: 978-3330330931, Lab Lambert Academic Publishing