


# Kathir College of Engineering

## Faculty Profile

<div><div>K. BOOPATHI RAJA</div><div>ASSISTANT PROFESSOR</div><div>Electronics and Communication Engineering</div></div>		<div></div>	
Qualification		BE (ECE), ME (CS), Ph.D (Pursuing)	
Area of Specialization		Wireless Communication	
Email		boopathiraja@kathir.ac.in	
Mobile Number		9944865151	
Membership in Professional Bodies		IAENG,IETE	
Total Experience in (Years) : 11 Years 5 Months			
Industry		Academic	
Experience in Years : 8 Months		Experience in Years : 10 Years 9 Months	
Publication Details			
Number of Papers Published	Journal Publications		Conference Publications
<div><div>Journals</div><div><div>1. “Spectrum Estimation and Adaptive Denoising of Fetal Electrocardiograph Signal”, CiiT International Journal of Digital Signal Processing-2015</div><div>2. “Detection and Analysis of Spoofing Attackers in Wireless Sensor Networks”, Middle-East Journal of Scientific Research 24, 63-67- 2016</div><div>3. “Concurrent Node Recovery from Failure in Wireless Sensor-Actor Networks”, Advances in Natural and Applied Sciences-2016/12</div><div>4. “Implementation of low-power and area-efficient carry save adder”, Advances in Natural and</div></div></div>			

Applied Sciences-2016/4

5. "Design of Micro strip patch antenna by two different feeding methods at resonant frequency of 5.08GHz", Int. J. of Eng. Research in Electronics and Communication Eng.- 2017
6. "Trust Mechanism Protocol for Automatic Smart Irrigation System Using WSN", International Journal of Advances in Scientific Research and Engineering- 2017
7. "Reduction of the PAPR Effect in OFDM Systems using Selective Mapping Technique", International Journal on Advanced Research- 2017
8. "Vhdl Design and Analysis of 2-Dimensional Discrete Wavelet Transform", African Journal of Basic & Applied Sciences- 2017
9. "Performance Analysis of BER In OFDM System Using Comparison Of FFT And DWT Transforms", Institute For Engineering Research and Publication- 2018
10. "IOT Based Advanced Universal Patient Health (UPH) Observation System Using Raspberry Pi 3b", International Journal of Engineering and Technical Research- 2018
11. "Assorted Security System to Defend Intrusion", Int. J. Adv. Res. Sci. Eng.,2018
12. "Review And Analyse of Ground Fault Circuit Interrupter", International Research Journal of Engineering and Technology- 201
13. "Hamming Window Function based FFT Analysis of Advanced Approximate Adder design in 125nm CMOS technology using Transmission gates", International Journal of Science and Innovative Engineering & Technology- 2019
14. "Tri-Band F Shaped Slot in the Patch Antenna Design for Wireless Communications", communications, 2020
15. "Investigate The Working Process Of Ground Fault Circuit Interrupter", International Journal of Scientific Research and Reviews- 2020
16. "Low-profile metamaterial-based T-shaped engraved electrically small antenna design with wideband operating capability for WLAN/5G applications", Physica B: Condensed Matter, 414359- 2022

- **Conferences**

1. "Monitoring system in industry using IoT", International Conference on Advanced Computing & Communication Systems-IEEE, 2019
2. "Design of Swing Dependent XOR-XNOR Gates based Hybrid Full Adder", International Conference on Advanced Computing & Communication Systems-IEEE, 2019

- **Book Chapters**

- **Patents**

1. "Solar Panel Based Flip Cover For Mobile Phone" on 20.08.2019. Design Patent
2. "Micro-USB Interconnecting Laptop" on 17.05.2019. Design Patent

<b>Research Interests</b>	<b>Type your Research Interests here:</b> <b>Wireless Communications, Antenna Design, Signal Processing</b>
<b>Other relevant achievements, awards and links:</b>	<b>Type any other relevant links/Information here:</b> [ Boopathi Raja.K - [ Google Scholar <a href="https://scholar.google.com/citations?user=Yv756xsAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=Yv756xsAAAAJ&amp;hl=en</a>

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