



## **Pathakamuri Naresh**

Assistant Professor

Department

Electrical & Electronics Engineering

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### **Academic Background**

Received B. Tech degree in Electrical & Electronics Engineering from QISCET, JNTU Hyderabad in 2007, M. E. in Electronic Instrumentation from Andhra University College of Engineering Visakhapatnam in 2009 and doing Ph. D from Andhra University College of Engineering, Visakhapatnam, Andhra Pradesh, India. He is a member of InSc professional group. He has vast Teaching experience of 11 years.

### **Research Interests:**

His area of interests includes Sensors, MEMS and Digital Electronics.

### **Achievements:**

#### **❖ Patents Published:**

1. Published a patent on “Plurality of gases detection from combustion material using Air Quality monitoring system with optimized sensors” dated 27<sup>th</sup> August 2021.
2. Published a patent on “Wireless Automation System with plurality of voice reorganization and Encryption of Fast Fourier Transformation” dated 16<sup>th</sup> July 2021 with Application No.202141029922.
3. Published a patent on “Method of management computing workload in the networked hosts using Artificial Neural Network” dated 16<sup>th</sup> August 2019.

<http://ipindiaservices.gov.in/PublicSearch/PublicationSearch/PatentDetails>

#### **❖ Books Published:**

4. Published a book as one of the Author on “Fundamentals of Electrical & Electronics Engineering” INSC Publishing House (IPH), ISBN: 978-81-910761-7-2
5. Published a book as one of the Author on entitled “Fundamentals of Digital Electronics through HDL” VSRD Publication, Kanpur, October 2019, ISBN No: 978-93-87610-43-9. <http://www.vsrdpublishing.com/catalogue.php>

#### **❖ Papers Published in Journals:**

6. Published a paper titled “Improving Power Quality of Distribution Grid Using an Ultra Capacitor Integrated with Power Conditioner” in International Journal of Science Engineering & Advance Technology VOL-5, ISSUE No-3, and March 2017.
7. Published a paper titled “Design and analysis of MEMS based Micro-Cantilever shapes for sensitivity improvement” in International Journal & Magazine of Engineering, Technology, and Management & Research Volume No-3 Issue No-4 ISSN No: 2348-4845.
8. Published a paper titled “Virtual Instrumentation Based Surveillance System in Industry” published in IJERA journal, vol.3, issue 4, July-Aug 2013.

#### **❖ Papers Published in Conferences:**

9. Published a paper titled “Secured Home Automation With Encrypted Fast Fourier Transformation” at the 3<sup>rd</sup> International Conference on Communication, Computing and Electronics Systems (ICCCES 2021) organized by PPG Institute of Technology, Coimbatore, India held on 28 & 29, October 2021.
10. Published a paper titled “Manual (Wired) & Control (Wireless) modes of Automation system with multi-level voice strings” at the 3<sup>rd</sup> International Conference on Sustainable Communication Networks and Application (ICSCN 2021) organized on 29-30, July 2021 by Surya Engineering College, Erode, India.