

Faculty Profile

Name: MOVVA PAVANI

Designation: Assistant Professor in ECE Department

Teaching Areas: Signals and Systems, Linear IC Applications, Digital IC Applications, Analog Communications, Digital Signal Processing.

Research Interests: Wireless Sensor Networks, Heterogeneous Networks

Education:

- Pursuing PhD in the area of Wireless Sensor Networks from GITAM University.
- M.E in Systems and Signal Processing, UCE, Osmania University, Hyderabad, 2009.
- B.Tech in Electronics and Communication Engineering, JNTUH, 2002.

Professional Experience: (Total: 16 Years 6 Months)

- 2014- Till date: Assistant Professor, Faculty of Science & Technology, IFHE, Hyderabad.
- 2012-2014: Associate Professor , Auroras Technical and Research Institute, Uppal, Hyderabad
- 2006-2012: Sr.Assistant Professor, Vignan Institute of Technology & Science, Deshmukhi, Hyderabad.
- 2005-2006: Lecturer (University Ratified), RVR &JC College of Engineering, Guntur (AP).
- 2002-2005: Software Engineer ,Wipro Technologies, Bangalore, Karnataka

Research / Selected Publications:

1. **Movva Pavani** and P.Trinatha Rao “Monitoring Real-Time Urban Carbon Monoxide (CO) Emissions Using Wireless Sensor Networks”. **Springer SIST**, Vol 84. pp. 290 -297, July 2018 (**Scopus**).
2. **Movva Pavani** and P.Trinatha Rao," Urban Air Pollution Monitoring Using Wireless Sensor Networks: A Comprehensive Review," **IJCNIS**,Vol. 9, No. 3, pp 1-10, December 2017(**Scopus**).
3. **Movva Pavani** and K.Kishore Kumar “ Design of Low-Cost Portable 12 Lead Wireless ECG Device Using TI ADS 1198 ”, IEEE IEMCON 2017, University of British Columbia, Canada , 03 - 05 Oct 2017. **IEEE Xplore (Scopus)**.
4. K.Kishore Kumar and **Movva Pavani** “LBP Based Biometric Identification using the Periocular Region ” IEEE IEMCON 2017, University of British Columbia, Canada , 03 - 05 Oct 2017. **IEEE Xplore (Scopus)**.
5. Kishore K Kumar and **Movva Pavani** “Design of a Compact Rectangular Patch Antenna Using Defected Ground Structure “ **IRECAP**, Vol 7, Issue 4, Page Nos. 282-289, August 2017 (**Scopus**).
6. **Movva Pavani** and P.Trinatha Rao “ End-End Delay Minimization Using Real Time Routing Protocol for Wireless Sensor Networks ” , IEEE IEMCON 2016, University of British Columbia, Vancouver, Canada , 13th - 15th,October 2016. **IEEE Xplore (Scopus)**.
7. **Movva Pavani** and P.Trinatha Rao “ Real Time Air Pollution Monitoring using Wireless Networks, ” IEEE IEMCON 2016, University of British Columbia, Vancouver, Canada , 13th - 15th,October 2016. **IEEE Xplore (Scopus)**.
8. Kishore K Kumar and **Movva Pavani**. "A New PCA Based Hybrid Color Image Watermarking Using Cycle Spinning-Sharp Frequency Localized Contourlet Transform for Copyright Protection.", Vol 628, pp. 355-364. **Springer CCIS, 2016 (Scopus)**.

