

Faculty Profile

Name: **Dr. 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: PhD in Electronics and Communication Engineering, GITAM University, 2021
M.E in Systems and Signal Processing, UCE, Osmania University, Hyderabad, 2009.
B.Tech in Electronics and Communication Engineering, JNTUH, 2002.



Professional Experience: (Total: 18Years)

2014- Till date: Assistant Professor, Icfai Tech, 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 Trinatha Rao Polipalli (2019). Adaptive PSO with Optimized Firefly Algorithms for Secure Cluster-Based Routing in Wireless Sensor Networks. in **IET Wireless Sensor Systems** doi.org/10.1049/iet-wss.2018.5227, Vol. 9 Issue. 5, PP. 274-283. **(Indexed in ESCI/ Web of Science/Scopus)**
2. **Movva Pavani** and Trinatha Rao Polipalli (2019). Novel Two-Fold Data Aggregation and MAC Scheduling to Support Energy Efficient Routing in Wireless Sensor Network, in **IEEE Access**, Vol. 7, PP 1260-1274, 2019. doi: 10.1109/ ACCESS. 2018.2888484. **(Indexed in Science Citation Index Expanded/Web of Science/ Scopus)**
3. **Movva Pavani** and Kishore K Kumar. Large Scale Air Pollution Monitoring Using Static Multihop Wireless Sensor Networks, International Journal of Computer Aided Engineering and Technology (IJCAET), Vol. 14, Issue 6, PP. 1 **Inderscience**, DOI: 10.1504/ IJCAET. 2022.10020581. **(Indexed in Scopus)**
4. Kishore K Kumar and **Movva Pavani**. Design of RF Planar Slow Wave Interaction Structure for THz Devices, International Journal of Computer Aided Engineering and Technology (IJCAET), Vol. 13, Issue 1, PP. 1 **Inderscience**, DOI: 10.1504/IJCAET.2021.10020698. **(Indexed in Scopus)**
5. Kishore K Kumar and **Movva Pavani**. Design of Master Controller Test Kit for the Railway Diesel Locomotives, International Journal of Intelligent Enterprise (IJIE), Vol. 6, Issue 4, PP 1, **Inderscience**, DOI: 10.1504/IJIE.2019.10020718. **(Indexed in Scopus)**
6. **Movva Pavani** and P. Trinatha Rao (2017). Urban Air Pollution Monitoring Using Wireless Sensor Networks: A Comprehensive Review, **International Journal of Communication Networks and Information Security (IJCNIS)**, Vol. 9, No. 3, PP 1-10. **(Indexed in Scopus)**.
7. Kishore K Kumar and **Movva Pavani** (2017). Design of a Compact Rectangular Patch Antenna Using Defected Ground Structure, **International Journal on Communications Antenna and Propagation (IRECAP)** Vol 7, Issue 4, PP 282-289. **(Indexed in Scopus)**.