

## Faculty Profile

**Name :** Dr. R. Balamurali

**Designation :** Assistant Professor

**Teaching Areas :** Advanced Computer Architecture, Artificial Intelligence,  
Mobile Computing, Programming with Java, C & C++

**Research Interests:** Wireless Sensor Networks.

**Education :** Ph.D, SRM University, Chennai, 2017.

Master of Technology, Sathyabama University, Chennai, 2008.

Bachelor of Engineering, Manonmaniam Sundaranar University, 2002.



### Professional Experience( Total : 13 Years )

1. **May 2016 – Till Date :** Assistant Professor, Faculty of Science and Technology, IFHE, Hyderabad.
2. **May 2015 – April 2016 :** Faculty Associate, Faculty of Science and Technology, IFHE, Hyderabad.
3. **July 2014 – April 2015 :** Full time Research Scholar at SRM University, Chennai and Working as Freelance Trainer on Technologies like Java, C++, PHP and .NET.
4. **July 2008-June 2014 –** Associate Professor and Head, Gokula Krishna College of Engineering, Sullurpet, AP.
5. **July 2004 – June 2008 –** Assistant Professor, Gokula Krishna College of Engineering, Sullurpet, AP
6. **June 2003 – June 2004 –** Lecturer, Sri Durgadevi Polytechnic College, Kavaraipettai, Chennai.

### Selected Publications

1. **R. Balamurali**, K. Kathiravan. “A Survey on mitigating hotspot problem in Wireless Sensor Networks”, International Journal of Applied Engineering Research, Mar 2015.
2. **R. Balamurali**, K. Kathiravan. “A Refined Integrated MAC and Routing Protocol to mitigate Hotspot problem in Wireless Sensor Networks”, Indian Journal of Science and Technology, Aug 2015.
3. **R. Balamurali**, K.Kathiravan. “An Analysis of Various Routing Protocols for Precision Agriculture using WSN”, TIAR IEEE Conference, Published in IEEE Explore, July 2015.

4. **R. Balamurali**, K. Kathiravan. “Mitigating Hotspot problem in WSN using Tier Based Quantification Algorithm”, Cybernetics and Information Technologies, Mar 2016.