Faculty Profile

Name:	**Dr. R. Balamurali**
Designation:	Assistant Professor
Teaching Areas:	OOPs with Java, Data Communication Systems, Artificial Intelligence, Computer Architecture, Mobile Computing.
Research Interests:	Wireless Sensor Networks, Wireless Body Area Networks, Machine Learning, Deep Learning, Internet of Things.
Education:	Ph.D. (CSE), SRM University, Chennai, 2017.
	M.Tech (IT), Sathyabama University, Chennai, 2008.
	B.E (CSE), PET Engineering College, Tirunelveli, 2002.

Professional Experience (Total:17 years Inclusive of Teaching and Industrial)

1. June 2018 – Till Date : Assistant Professor, IFHE, Hyderebad
2. June 2017-June 2018 :Post Doctoral Fellow, Bennett University, Greater Noida.
3. May 2015 – June 2017 : Assistant Professor, IFHE, Hyderebad
4. July 2008 – June 2014 : Associate Professor and Head, GKCE, Sullurpet, AP.
5. July 2004 – June 2008 : Assistant Professor, GKCE, Sullurpet, AP.
6. June 2003 – June 2004 : Lecturer, SDPC, Kavaraipettai, Chennai.

Research / 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.
5. M.Raja, S.Vairachilai and **R. Balamurali, "**Algorithm Development Using Programming Language R to Mine Periodic and Frequent Sub-Graphs in Dynamic Social Media Networks", The IUP Journal of Computer Sciences, Jan 2016.
6. SaswathiParmita, **R. Balamurali**, Comparision of IEEE 802.15.4 and Adaptive beaconing MAC protocol for WBASN, 2nd National Conference on Recent Advances in Electronics, 24th and 25th February, 2017.
7. **R Balamurali**, K Kathiravan, T Krishnan, Mitigating Hotspot Issue in WSN Using Sensor Nodes with Varying Initial Energy Levels and Quantification Algorithm, Cybernetics and Information Technologies, Septaember 2019
8. **R. Balamurali**, P. Mahesh, Detecting Multiple Logins In Learning Management System for Online Exams: Moodle, Electronics For You Magazine, July 2020.
9. **R. Balamurali**, Content (Item)-Based Recommendation System (Book Chapter), Recommender System with Machine Learning and Artificial Intelligence: Practical Tools and Applications in Medical, Agricultural and Other Industries, June 2020.