

# DEEPTHI SASIDHARAN

Assistant Professor



## Contact Information

Official Address :Assistant Professor

Department of Information Technology

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## Professional Qualifications

<b>B-Tech</b>	Specialization	Information Technology
	Institute/University	CUSAT
	Year	2003
<b>M-Tech</b>	Specialization	Computer and Information Technology
	Institute/University	CUSAT
	Year	2005
<b>PhD</b>	Specialization	
	Institute/University	
	Year	

## **Area/Research Interests**

- **Networking, Wireless Sensor Networks, IoT, 6LoWPAN**

## **Professional Experience**

- **Assistant Professor - Government Engineering College Barton Hill : June 2009 – till date.**

## **Responsibilities/Position (Department, College and University)**

- Resident Tutor – Ladies Hostel - GECBH

## **Publications (Journals/ International Conferences)**

### **1. Journals**

- a. D. Sasidharan, L. Jacob, \A framework for the IPv6 based implementation of a reactive routing protocol in ns-3: Case study using LOADng", Simulation Modelling Practice and Theory, Volume 82, 2018, pp. 32-54, ISSN 1569-190X
- b. D. Sasidharan, L. Jacob, \Improving network lifetime and reliability for machine type communications based on LOADng routing protocol", Ad Hoc Networks, Volume 73, 2018, pp. 27-39, ISSN 1570-8705

### **2. Conference Proceedings**

- a. D. Sasidharan, L. Jacob, \Energy and bandwidth e\_icient multipath-enhanced LOADng routing protocol," 2016 Twenty Second National Conference on Communication (NCC), Guwahati, March 2016, pp. 1-6.
- b. D. Sasidharan, L. Jacob. "Design of Composite Routing Metrics in LOADng Routing Protocol for IoT Applications." The Sixteenth International Conference on Networks (ICN 2017), Venice, Italy, April 2017, pp. 15-20 (Best Paper Award).

### **3. Research Forums**

- a. D. Sasidharan, L. Jacob, \Improved P2P communication in IoT using LOADng Routing Protocol", IEEE International 5G Summit - Theme: IoT & Cyber-security, Trivandrum, India, July 01, 2017
- b. D. Sasidharan, L. Jacob, \Secure Routing in LOADng Based IoT", Workshop on Women in Cybersecurity Research (WCR18) IIITM-K, Technopark, Trivandrum, May 25-26, 2018

## **Achievements/Awards**

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## **Project/Consultancy**

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## **FDPs and Workshops attended**

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