

# ALAKESH KALITA

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## EDUCATION

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- Indian Institute of Technology Guwahati, India** *January 2018– Till*  
*Pursuing Ph.D., Internet of Things*
- Assam Central University, India** *July 2014 - May 2016*  
*Master of Technology, Computer Science and Engineering*
- Assam Don Bosco University, India** *July 2008 - June 2012*  
*Bachelor of Technology, Computer Science and Engineering*

## WORK EXPERIENCE

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- Indian Institute of Technology Guwahati, India** *January 2018 - Till*  
*Research Scholar*
- Indian Institute of Information Technology Guwahati, India** *July 2017 - December 2017*  
*Research Scholar & Junior Research Fellow*
- North-Eastern Hill University, Shillong, India** *August 2016 - June 2017*  
*Project Scientist*
- Shriram Transport Finance Company Ltd.** *September 2012 - October 2013*  
*Management Trainee*

## TEACHING ASSISTANTSHIP

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- Indian Institute of Technology Guwahati, India** *2018 - Till*
- CS101: Introduction to Computing Lab (C Programming), January - July, 2018
  - CS343: Data Communication, July - December, 2018
  - CS348: Computer Networks, January - July, 2019, 2020
  - CS578: Internet of Things, July - December, 2019
- Assam Central University, India** *2015 - 2016*
- C Programming Lab

## PUBLICATIONS

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### Journals

- **A. Kalita** and M. Khatua, “Channel Condition Based Dynamic Beacon Interval for Faster Formation of 6TiSCH Network,” in **IEEE Transaction on Mobile Computing**, IF-4.47 (**Accepted**)

### Conferences

- **A. Kalita** and M. Khatua, “Opportunistic Priority Alternation Scheme for Faster Formation of 6TiSCH Network,” in 21st International Conference on Distributed Computing and Networking (ICDCN), Jan 2020, pp. 1-5
- **A. Kalita** and M. Khatua, “Faster Joining in 6TiSCH Network using Dynamic Beacon Interval,” in 11th International Conference on Communication Systems Networks (COMSNETS), Jan 2019, pp. 454-457
- **A. Kalita**, N. Ahmed, H. Rahman, and M. I. Hussain, “A QoS-aware mac protocol for large-scale networks in internet of things,” in 2017 IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS), Dec 2017, pp. 1-6
- **A. Kalita**, K. Ray, A. Biswas, and M. A. Hussain, “A topology for network-on-chip,” in 2016 International Conference on Information Communication and Embedded Systems (ICICES), Feb 2016, pp. 1-7.

- K. Ray, **A. Kalita**, A. Biswas, and M. A. Hussain, “A multipath network on-chip topology,” in 2016 International Conference on Information Communication and Embedded Systems (ICICES), Feb 2016, pp. 1–7.
- A. Biswas, M. A. Hussain, and **A. Kalita**, “An improved congestion free modified fat tree network,” in 2016 International Conference on Signal Processing, Communication, Power and Embedded System (SCOPEs), Oct 2016, pp. 759-763
- **A. Kalita**, A. Biswas, Md. Anwar Hussain, “A Multipath Fault Tolerant Topology for Network-On-Chip,” accepted in Springer, International Conference on Computing and Communication Systems 2016 (I3CS2016)-2016. (**Withdrawn**)

## WORKSHOP & TRAINING

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- An active volunteer of in the organizing committee of the 3<sup>rd</sup> ISEA International Conference on Security and Privacy (ISEA-ISAP 2020) in IIT Guwahati from 27 Feb - 1 Mar 2020
- An active member of organizing committee in two days workshop on “Internet of Things: It’s Inside Out” at NEHU, Shillong, Meghalaya from 12 May - 13 May, 2017
- Faculty Development Programme (FDP) in “Cloud Computing with AWS” in association with IIIT Guwahati , organized by E&ICT Academy at IIIT Guwahati from 05 Dec - 10 Dec, 2016
- Two days workshop on “Internet of Things: A Gateway to Smart and Intelligent Future” at NIT Meghalaya, organized by E&ICT Academy in 2016
- Fifteen days Summer Training on Networking at IOCL, Bongaigaon in 2011

## ACHIEVEMENTS & AWARDS

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- Qualified NET’2019 with 98.9 percentile
- Received travel grant to attend COMSNETS’2019 conference from the conference organizer
- MHRD scholarship for Ph.D. (2018-till)
- Bagged second prize in Regional Innovators Conclave conducted by Government of Meghalaya for the “Smart Lighting Model”, Meghalaya, India 2017
- Qualified GATE’2017
- TEQIP-II scholarship during M-Tech (2014-2016)
- Bagged first prize in line follower robotics competition, was held in Assam University, India 2016

## TECHNICAL SKILLS

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<b>Technical Skill:</b>	Testbed setup
<b>Programming:</b>	C, C++
<b>Documentation language:</b>	LaTeX, Microsoft Word
<b>Databases:</b>	MySQL
<b>Software &amp; Tools:</b>	<b>Operating System:</b> Windows, Linux
	<b>Network Simulator:</b> Cooja, OMNeT++, NS-3
	<b>IDE:</b> NetBeans, Arduino, MATLAB, VB

## PROFESSIONAL MEMBERSHIP

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- ACM student membership since November 2019 (ID: 9926691)

Date: 06/03/2020  
Place: IIT Guwahati

Signature