



Dr. Hiten Choudhury

Asst. Professor

PhD (Tezpur University)
MCA (Dibrugarh University)

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Research Interest

- Network Security
- Mobile Computing
- Wireless Networks

Educational Qualification

- PhD in Computer Science & Engineering from Tezpur University, Assam.
- MCA from Jorhat Engineering College (Dibrugarh University), Assam.
- BSc in Physics from Cotton College (Gauhati University), Assam.

Work Experience

- Asst. Professor, Dept. of CS & IT, Cotton College State University, Guwahati, from March 2015.
- Asst. Professor, Dept. of Computer Science, St. Edmund's College, Shillong, from May 2004 to March 2015.

Publication

Journals

- H. Choudhury, B. Roychoudhury, D. K. Saikia, Enhanced Identity Privacy in UMTS, *International Journal of Ad Hoc and Ubiquitous Computing*, In Press. [Indexed in SCI (Thomson Reuters) and Scopus]
- H. Choudhury, B. Roychoudhury, D. K. Saikia, Security Extension for Relaxed Trust Requirement in Non3GPP Access to the EPS, *International Journal of Network Security*, Vol.-18, Issue No.-6, Page Nos. 1041-1053, 2016. [Indexed in Scopus]
- R. Robinson, W. Raja, H. Choudhury, D. J. Saikia, Sociology of Education and Indian Higher Education Systems: A University's 'Institutional Research Model', *Economic & Political Weekly (EPW)*, Vol.-51, Issue No. 9, Page Nos. 67-73, 27 Feb, 2016. [Indexed in Scopus]

Conference proceedings

- H. Choudhury, B. Roychoudhury, D. K. Saikia, Enhancing User Identity Privacy in LTE, Eleventh IEEE International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom 2012), Period: June 25 - 27, Place -Liverpool, 2012.
- H. Choudhury, B. Roychoudhury, D. K. Saikia, UMTS user identity confidentiality: An end-to-end solution, Eighth IEEE International Conference on Wireless and Optical Communications Networks (WOCN 2011), Period: May 24 -16, Place -Paris, Page -1-6, 2011.

- H. Choudhury, B. Roychoudhury, D. K. Saikia, End-to-End User Identity Confidentiality for UTMS Networks, IEEE International Conference on Computer Science and Information Technology (ICCSIT 2010), Period: July 9 -11, Place -China, 2010.

Book chapters

1.	H. Choudhury	Roaming Agreements simplified: A supplementary Benefit of Enhanced subscriber's Anonymity in Mobile Networks.	Eastern Book House	ISBN: 978-93-83252-80-0	25 - 33	2016
2.	H. Choudhury B. Roychoudhury D. K. Saikia	Improving Identity Privacy in 3GPP-WLAN	Springer International Publishing	ISBN: 978-3-319-06763-6	217- 224	2015
3.	H. Choudhury B. Roychoudhury D. K. Saikia	A Security Extension Providing User Anonymity and Relaxed Trust Requirement in Non-3GPP Access to The EPS	Springer International Publishing	ISBN: 978-3-319-13840-4	226 - 244	2014
4.	H. Choudhury B. Roychoudhury D. K. Saikia	Desirable features of an identity privacy ensuring solution for UMTS, Ed. Vol, Network and Information Security: Issues, Challenges and Research Trends	Narosa Publishing House	ISBN: 978-81-8487-314-6	143 - 157	2013
5.	H. Choudhury D. K. Saikia	Modified UMTS Authentication and Key Agreement Protocol for Enhanced User Identity Confidentiality, Ed. Vol, Network Security: Issues, Challenges and Techniques	Narosa Publishing House	ISBN: 978-81-8487-088-6	63 - 71	2010

Courses Taught

- MCA, CCSU (2015 – 2016)
 - PGMCA405 (Elective 1): Computer Graphics
 - PGMCA401: Operating systems
 - MCA802C: Object Oriented Programming using C++.
 - MCA903C: Design and Analysis of Algorithms.
 - MCA503 (Elective II): Computer and Network Security.
- BSc Computer Science, NEHU (2004 - 2015)
 - Paper I (Elective 1): Programming & Problem Solving through C
 - Paper I (Elective 2): Data Structures Using C
 - Paper III: Computer Organization and Architecture
 - Paper VI: Database Management System

- Paper VII: Data Communication and Networks
- Paper VIII (Elective 1): Object Oriented Programming Through C++
- Paper VIII (Elective 2): Object Oriented Programming Through Java
- BCA, NEHU. (2004 - 2015)
 - BCA-104 Digital Computer Fundamentals
 - BCA-105 Programming in C, Introduction to C++ & Object Oriented Programming
 - BCA-205 Database Management System
 - BCA-206 Data Structure
 - BCA-303 Computer Networks
 - BCA-305A JAVA programming
- MCA, I.G.N.O.U. (2005 - 2015)
 - MCS021 Data and File Structure
 - MCS023 Introduction to Database Management Systems
 - MCS024 Objected Oriented Technology and Java Programming
 - MCS042 Data Communication and Networks
 - MCS053 Computer Graphics and Multimedia
- DOEACC 'O' & 'A' level (2002 - 2003)
 - DBMS, C & C++, Data Structures, Computer Organization and Computer Networks

Invited Talks

- Topic: Security Challenges in 3GPP/Non-3GPP Access to the Evolved Packet System.
Venue: National Institute of Technology Meghalaya, Shillong.
Organized by: Department of Computer Science & Engineering, NITM, Shillong.
Date: 30th April 2015.
- Topic: Leveraging Information & Communication Technology for Quality Education
Venue: Saint Mary's College, Shillong.
Organized by: IQAC, Saint Mary's College, Shillong.
Date: 20th June 2011
- Topic: A Computational Approach to Biological Information.
Venue: St. Edmund's College, Shillong.
Organized by: Department of Biotechnology, St. Edmund's College, Shillong.
Date: 28th July 2010
- Topic: Safe Internet Browsing.
Venue: Hotel Pine Wood, Shillong.
Organized by: Rotary Club, Shillong.
Date: 30th August 2010