

ROMAS JAMES HADA
Assistant Professor
Department of Computer Science and Information Systems
West Virginia University Institute of Technology
410 Neville Street
Beckley, WV

EDUCATION

PhD	Computer Science, University of Louisiana at Lafayette Dissertation: "Minimum Cost Balanced Partitioning of Social Networks"	2013 - 2020
MS	<i>Computer Science</i> , University of Nevada Las Vegas, Thesis: "Roaming Region for Delaunay Triangulation"	2009 - 2011
BS	<i>Computer Engineering</i> , Tribhuvan University, Institute of Engineering, Pulchowk Campus	2003 - 2007

HONORS AND AWARDS

Academic Excellence Award (CGPA: 4.0) Honor Convocation, University of Louisiana at Lafayette	2015 & 2016
University Fellowship Doctoral Fellowship, University of Louisiana at Lafayette	2013 - 2016
Merit Based Scholarship and Stipends (4 Years) Full Scholarship based on merit by I.O.E, Pulchowk Campus	2003 - 2007

PUBLICATIONS

- Link Prediction Based Minimum Cost and Balanced Partition of Large Online Social Networks**, *2019 IEEE 18th International Symposium on Network Computing and Applications (NCA)*, Cambridge, MA, USA, 2019, pp. 1-9. doi: 10.1109/NCA.2019.8935044.
- Scalable Minimum-Cost Balanced Partitioning of Large-Scale Social Networks: Online and Offline Solutions**, *IEEE Transactions on Parallel and Distributed Systems*, vol. 29, no. 7, pp. 1636-1649, 1 July 2018. doi: 10.1109/TPDS.2017.2694835.
- Roaming Region for Delaunay Triangulation (2011)**, *UNLV Theses, Dissertations, Professional Papers, and Capstones. 1242.*

RESEARCH AND PROJECTS

Minimum Cost Balanced Partitioning of Social Networks <i>University Fellow / Graduate Research Assistant</i> , UL Lafayette, <ul style="list-style-type: none">- Design and implementation of scalable, fast, and efficient heuristics for optimization of inter-server traffic cost as well as moving cost of evenly distributed nodes across servers/clouds- Machine learning based dynamic link prediction and pareto principle based greedy techniques for further optimization- Simulation in Java and LibSVM	2013 - 2019
Roaming Regions for External Nodes of Delaunay Triangulation <i>Thesis Supervisor</i> , Nepal College of Information and Technology (NCIT), Pokhara University, Nepal	2012

- Simulation in Java
- Roaming Region for Delaunay Triangulation** 2009 - 2011
Graduate Assistant, University of Nevada Las Vegas, NV
 - A Thesis based on the research of Delaunay triangulation properties
 - Algorithms to determine Roaming Region for the Delaunay Nodes
 - Simulation in Java
- InfoTrac – Information Retrieval and Search Service** 2006 - 2007
 Institute of Engineering, Pulchowk Campus, Tribhuvan University
 - A final year project based on information retrieval techniques
 - Extraction of the relevant information from the internet and computing the relevancy of the retrieved information
 - Simulation in Java

PROFESSIONAL

- ELVSYS** Mar 2008 – Aug 2008
 - Software Engineer, R&D, Kathmandu,
 - Multiple projects based on Java, JavaScript, and Java Server Pages
- Internship** Jan 2007 – April 2008
 - National Geographic Infrastructure Project (NGIIP),
 - Development and maintenance of the organization’s website
 - Survey Department, Ministry of Land Reform and Management, Government of Nepal

TEACHING

- West Virginia University Institute of Technology** August 2020 - Now
Tenure-track Assistant Professor of Computer Science and Information Systems
 - CS 321 (Introduction to Computer Networking)
 - CS 122 (Computer Science II)
 - CS 121 Lab (Computer Science I)
- CMIX, University of Louisiana at Lafayette** 2017 - 2020
Graduate Teaching Assistant
 - Computer in Society (CMPS 310)
 - Grading assignments, projects, and exams
 - Managing group and individual projects in Moodle
- Pokhara University, Cosmos College of Engineering & Management** 2011 - 2012
Assistant Professor / Deputy Coordinator, Department of Computer Engineering & IT
 - Data Structure and Algorithms, Data File Structures, Artificial Intelligence and Database Management Systems
 - Managing final year undergraduate projects
 - Mentoring/Advising final year undergraduate students
- Tribhuvan University, I. O. E., Pulchowk Campus, Lalitpur, Nepal** 2011 - 2012
Part Time Instructor, Department of Electronics and Computer Engineering
 - Software Engineering
- Purbanchal University, Khwopa Engineering College, Nepal** 2011 – 2012
Part Time Instructor, Department of Computer Engineering
 - Multimedia Systems and Programming in Java (Electives)
- University of Nevada Las Vegas, Las Vegas, NV, USA** 2009 – 2011
Teaching Assistant, Department of Computer Science
 - CS115 (Basic Computer Concept), CS202 (Programming Language C++), CS302 (Data Structures), CS482 (Artificial Intelligence)

- Grading the assignments, projects, quizzes and exams, Instructing the labs
- Assisting ABET coordinator for ABET tasks

Purbanchal University, Khwopa Engineering College, Nepal 2008 - 2009

Lecturer, Department of Computer Engineering

- Teaching undergraduate courses and Grading assignments and exams
- Undergraduate courses: Elective II (Multimedia Systems), Web Programming Techniques (HTML, CSS, JavaScript, PERL)

Purbanchal University, Kantipur City College, Nepal 2008 - 2009

Lecturer, Department of Computer Engineering

- Teaching undergraduate courses and Grading assignments and exams
- Software Engineering

PROFESSIONAL AFFILIATIONS

Phi Kappa Phi Honor Society 2014 - Present

Golden Key International Honor Society 2010 - Present

COMPUTER SKILLS

Programming: C, C++, Java, JavaScript, PHP, Python, and MySQL

Applications: Latex, Eclipse, DIA, SketchUp, Adobe Photoshop, and LibSVM

Operation Systems: Linux, Windows, and Virtual Box