

Dr. Mohd. Naseem

Curriculum Vitaé

Assistant Professor, Computer Sciences
BGSB University, Rajouri, J&K, India - 185234,
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Passport No.: J0128078, Expiry Date: 08/03/2020



Career Objective

To work with such an organization, where I can continuously enhance my skills and knowledge along with my contribution towards the growth of the organization.

Academic Qualifications

- 2012 - 2016 **Doctor of Philosophy (Ph.D)**, Department of Computer Science and Engineering, Indian Institute of Technology, Indian School of Mines, Dhanbad, (IIT (ISM) Dhanbad), Jharkhand, India. Awarded on 08th February 2016 .
Thesis Title: *Study and Development of Load Balancing Routing Protocols for MANETs*
- 2008-2011 **Master of Computer Applications (M.C.A)**, Department of Computer Science, Aligarh Muslim University, Aligarh, Uttar Pradesh, India, Percentage – 76.16 First Class.
Thesis: *Linux based Cluster Formation in testing of parallel programs (Using Message Passing Interface(MPI))*
- 2004–2007 **Bachelor of Science (B. Sc.) (Hons.)**, Department of Physics, Aligarh Muslim University, Aligarh, Uttar Pradesh, India, Percentage – 69.4 First Class.
Subject(s): Physics (Main), Chemistry, Mathematics, English

Articles Published in SCI Indexed Journals

- May 2015 Mohd Naseem, Chiranjeev Kumar, "Congestion-aware Fibonacci sequence based multi-path load balancing routing protocol for MANETs" ***Wireless personnel communication (Springer Heidelberg, Germany)***, Volume 84, Issue 4, pp. 2955-2974, Impact Factor 0.979 (Published).
- May 2016 Mohd Naseem, Chiranjeev Kumar, "Queue based multiple path load balancing routing protocol for MANETs", ***International Journal of Communication Systems (Wiley, USA)***, Volume 30, Issue 6, e3141, Impact Factor 1.106, (Published).
- January 2017 Mohd Naseem, Chiranjeev Kumar, "QSLB: Queue Size based single path load balancing routing protocol for mobile ad hoc networks", ***International Journal of Ad Hoc and Ubiquitous Computing (InderScience, Switzerland)***, Volume 24, Nos. 1/2, 2017, Impact Factor 0.6 (Published).

Articles Published in SCOPUS Indexed Journals

- January 2017 Abbasi, E.H., Singh, A., Constantinescu, M., Khan, A. and Mohd Naseem, "Making Indian companies CDM compatible: towards a green financial strategy", *Int. J. Green Economics, (InderScience, Switzerland), Vol. 11, No. 1, pp.62-76* , Impact Factor 0.31 (Published).

Presented Papers in International Conferences

- December 2012 Dhirendre Kumar Sharma, Mohd Naseem, Chiranjeev Kumar, "ERP: An energy-efficient Reactive Routing Protocol for Mobile Ad-Hoc Networks", *International Conference on Recent Trends in Engineering & Technology (ICRTET)* held at Karol Bagh, New Delhi, (India), 23 December, 2012, pp. 13-17.
- December 2013 Mohd Naseem, Chiranjeev Kumar, "EDSDV: Efficient DSDV Routing Protocol for MANET", *2013 IEEE International Conference on Computational Intelligence and Computing Research (IEEE ICCIC)* Organized by Vickram College of Engineering, Enathi, Madurai, Tamilnadu, India (26-28 December, 2013), pp. 1-4.
- November 2014 Mohd Naseem, Chiranjeev Kumar, "Distributed bandwidth guarantee using Multi-path routing protocol in Mobile ad hoc network", *2014 1st International Conference on Science Engineering and Management Research (ICSEMR 2014)* held at Vel Tech MultiTech Dr.Rangarajan Dr.Sakunthala Engineering College, Avadi, Chennai, Tamilnadu, (India), 27-29 November 2014, pp. 1-5.

Achievements

- Receive **the Best Paper Award**, 2014 1st International Conference on Science Engineering and Management Research (ICSEMR) held at Vel Tech MultiTech Engineering College, Avadi, Chennai, Tamilnadu, (India), 27-29 November 2014. (IEEE conference)
- Receive the **Young Investigator Award**, International Conference on Recent Trends in Engineering & Technology (ICRTET) held at Karol Bagh, New Delhi, (India), 23 December, 2012.
- Qualify ISM **Junior Research Fellowship** in 2012.
- Qualify **GATE Exam** in 2012.

Present Employment

- Dec 2017 - Present **Assistant Professor**, Department of Computer Sciences, Baba Gulam Shah Badshah University, Rajouri , J&K,, India-185234.

Past Experience

- July, 2017 - Dec, 2017 **Assistant Professor**, Department of Computer Science & Engineering, Thapar University, Patiala , Panjab, India-147001.
- July, 2016 - June, 2017 **Lecturer**, Department of Computer Science & Engineering, Thapar University, Patiala , Panjab, India-147001.

July 2015 - **Ad Hoc Faculty**, *Department of Computer Applications, National Institute of Technology, Jamshedpur (NIT Jamshedpur)*, Jharkhand, India-831014.

Feb 2012 - **Junior Research Fellow**, *Department of Computer Science and Engineering, Indian School of Mines, Dhanbad, Jharkhand (IIT (ISM))*, Jharkhand, India-826004.

Feb 2014 - **Senior Research Fellow**, *Department of Computer Science and Engineering, Indian School of Mines, Dhanbad, Jharkhand (IIT (ISM))*, Jharkhand, India-826004.

- Taught courses on **Computer Network, Optimization Techniques and Object Oriented Programming** at Master level at NIT Jamshedpur.
- Taught Lab subject **Optimization Technique and C++** at Master level at NIT Jamshedpur.
- Taught courses on **Big Data Analysis and Business Intelligence, Java Programming, Invention and Innovation in Computing, C Programming** at Thapar University.
- Taught Lab subject **Hadoop programming, R Programming, Java Programming, C Programming** at Thapar University.
- Taught Lab subject **C language, Data Structure, Software Engineering** at Graduate level classes and **Network simulators** at both Graduate and Master level classes during my Ph.D. work at Department of Computer Science and Engineering, Indian School of Mines, Dhanbad, Jharkhand, India-826004.

Administrative

July, 2016 - **Worked in a Team for Data Collection**, for *NBA, NIRF, NAAC, ABET, UGC and Dec 2017 AICTE at Department of Computer Science & Engineering, Thapar University, Patiala*, Panjab, India-147001.

Dec, 2016 - **Worked as a Co-ordinator**, for *Time Table Management at Department of Computer June, 2017 Science & Engineering, Thapar University, Patiala*, Panjab, India-147001.

July, 2015 - **Worked as Faculty In-charge**, for *Estate module in Management Information System July, 2016 software (MIS)*, at Department of Computer Science, National Institute of Technology, Jamshedpur, Jharkhand, India-831014.

Dec, 2015 **Worked as Section Magistrate**, for *Panchayat election, Seraikhela kharsawa, Jharkhand, India-831014.*

March, 2016 **Worked as Member in Webcast committee**, for *6th Convocation of NIT Jamshedpur, Jamshedpur, Jharkhand, India-831014.*

Ph. D. Thesis

Title *Study and Development of Load Balancing Routing Protocols for MANETs*
Supervisor Dr. Chiranjeev Kumar
Associate Professor & Head, Department of Computer Science & Engineering, Indian School of Mines, Dhanbad, Jharkhand, India - 826004

- Description The purpose of this study is carry out research with the following main objectives:
- Study of various routing algorithms of mobile ad hoc networks, their QoS and load balancing.
 - Development of new efficient load balancing routing algorithms.
 - Relative performance comparison of newly proposed routing algorithms with the existing ones.

M.C.A Thesis

- Title *Linux based Cluster Formation in testing of parallel programs (Using Message Passing Interface(MPI))*
- Supervisor Mr. Suhel Mustajab
Associate Professor, Department of Computer Science, Aligarh Muslim University, Aligarh, U.P, India - 202002
- Description In this project, we make Beowulf cluster using message passing interface(MPI), which is used to execute parallel programs. For this firstly we have to give static ip address so that we can access this machine using remote machine, then we install secure shell(SSH) and configure this. After this we have to make ssh password-less i.e we are able to login in this machine without asking the password, then download and install MPICH and configure it. Now write parallel MPI programs and execute it.

Professional Activities

Reviewer

- Reviewer in **Ad Hoc Networks, Elsevier.**
- Reviewer in **Wireless Personnel Communication, Springer.**
- Reviewer in **International Journal of Communication Systems, Wiley.**
- Reviewer in **Applications of Soft Computing for the Web, Springer.**
- Reviewer in **International Journal of Information Technology, Springer.**
- Reviewer in **Frontiers of Information Technology & Electronic Engineering, Springer.**
- Reviewer in **4nd International Conference on "Recent Advances in Information Technology (RAIT-2016)"** at Indian School of Mines, Dhanbad, Jharkhand, India.

Membership in the Professional Bodies:

- Internet Society (ISOC).
- International Association of Engineers (IAENG).
- UACEE (Universal Association of Computer and Electronics Engineers).
- Association for Computing Machinery (ACM)(Computer Science Teacher Association CSTA).
- Institute for Computer Sciences, Social Informatics and Telecommunications Engineering (ICST).

Conference/Workshops/Courses Attended

Year	Conference/ Workshop/	Role
2008	6 month course of Computer Hardware certified by Hobbies Workshop, General Education Centre, Aligarh Muslim University, Aligarh, 2008-09	Member
2009	Workshop on Internet & its Applications held at University Women's Polytechnic, Aligarh Muslim University, Aligarh, 19-20 December 2009	Participant
2010	Workshop on Vedic Mathematics called as TAMEER '10 held at Zakir Husain College of Engg. & Tech., Aligarh Muslim University	Participant
2012	1 st International Conference on Recent Advances in Information Technology organized by Department of Computer Science & Engg. held at Indian School of Mines, Dhanbad, 15-17 March, 2012	Participant
2012	Professional Skill Development Pro-gramme on Matlab and Simulink for Engineering Applications organized by Department of Electrical Engineering held at Indian School of Mines, Dhanbad, 17-22 September, 2012	Participant
2014	TEQIP-II Sponsored Short term Course on Introduction to Opportunistic Mobile Network and its Application (IOMNA) organized by Department of Computer Science & Engg. held at National Institute of Technology, Durgapur, 2-6 January, 2014	Participant
2014	TEQIP-II Sponsored Short term course on Workshop on Algorithms organized by Department of Information Technology held at National Institute of Technology, Durgapur, 22-26 January, 2014	Participant
2014	2 nd International Conference on Recent Advances in Information Technology organized by Department of Computer Science & Engg. held at Indian School of Mines, Dhanbad, 13-14 March, 2014	Participant
2015	TEQIP-II Sponsored Faculty Development Programme on Effective Teaching and Pedagogical Practices organized by the Centre for Educational Technology held at Indian Institute of Technology, Kharagpur, West Bengal, India, 9-11 October, 2015	Participant
2016	Workshop on Network Protocols and their Simulation using NS-2 organized by Department of Computer Science & Engg. held at Indian School of Mines, Dhanbad, India, 3-5 March, 2016	Participant
2016	AICTE recognized Short Term Course on Induction Training Programme for Newly Recruited Teachers Conducted by Education and Educational Management Department certified by NITTR Chandigarh held at Thapar University, Patiala, Panjab, India, 19-21 September, 2016	Participant

Area of Interest

- Routing Protocols in Mobile Ad Hoc Network (MANETs)
- Energy-efficient routing protocols in MANETs
- Wireless Sensor Network
- Under Water Communication
- Load balancing in MANETs
- QoS in MANETs

Computer Skills

Operating System *Windows, Linux*

Programming Languages *C, C++, Java*

Simulation Software *Network Simulator 2 (NS2), GlomoSim, QualNet*

Application Software *MS office, LaTeX, MatLab*

Referees:

Prof. Chiranjeev Kumar Professor and Head Department of Computer Science and Engineering, Indian Institute of Technology, Indian School of Mines, Dhanbad-826004 E-mail: k_chiranjeev@yahoo.co.uk Mobile No: +91-9431125793	Dr. Haider Banka Associate Professor Department of Computer Science and Engineering, Indian Institute of Technology Indian School of Mines, Dhanbad-826004 E-mail: hbanka2002@yahoo.com, Mobile No: +91-9230079496	Dr. Danish Ali Khan Dean(Academic) and Associate Professor Department of Computer Applications, NIT Jamshedpur, Adiyapur, Tatanagar Jamshedpur, Jharkhand-826004 E-mail: dakhan.ca@nitjsr.ac.in Id: Id: Mobile No: +91-9835546792
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Language(s) Known

English Speak, Read, Write

Hindi Speak, Read, Write

Urdu Speak, Read, Write

Arabic Read

Personal Profile

Date of birth July 06, 1987

Nationality Indian

Religion Islam

Marital status Single

Language Mother Tongue: Hindi

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Passport No.: J0128078, Expiry Date: 08/03/2020

Address Assistant Professor, Department of Computer Science & Engineering, Thapar University, Patiala, Panjab, India - 147001,

Hobbies

- Swimming
- Adventure Tourism
- Novel
- Driving

Game Interest

- Cricket
- Computer Games
- Badminton

Declaration

I hereby declare that all statements made in this Curriculum Vitae, are true, complete and correct to the best of my knowledge and belief.

Date: December 30th, 2017

Place: Patiala, India

(Mohd. Naseem)