

RESUME



Dr. Syed Zeeshan Hussain

Associate Professor

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Educational Qualifications

- **Ph.D (Computer Science)** titled “*A Unified Approach to Analyze Multiple Access Protocols*” in the field of Computer Networks from Jamia Millia Islamia (A Central University), New Delhi.
- Passed **Master of Computer Applications (MCA)** from IGNOU, New Delhi
- Passed **M.Sc. (Physics)** in First Class with Specialization in Solid State Physics from Bhagalpur University, Bhagalpur (Bihar).
- Passed **B.Sc.(Physics Honours)** in First Class from Bhagalpur University, Bhagalpur (Bihar)

Total Teaching Experience: 16 Years

Areas of Interest: Computer Networks, Network Security, Web Technology and Applications, Object-Oriented Computing, Scripting Languages.

Area of Research: Computer Networks, Network Security and Web Technologies.

Supervised/Registered Ph. D Scholars:

Sl. No	Name	Title of Thesis	Status
1.	Vineet Kumar Sharma	The Development of Software Technique to Improve the Performance of a Distributed System.	Awarded in 2012
2.	Syed Imtiyaz Hassan	A Study to Achieve Higher Degree of Automation by Structural Change in Model-View-Controller (MVC)	Awarded in 2013
3.	Neeta Wadhwa	Evaluation and Analysis of Symmetric Cryptographic Algorithms From Cryptanalysis Perspective	Awarded in 2014
4.	Muqem Ahmed	Development of Knowledge Based Grid in	Awarded in 2014

		Semantic Web	
5.	Naeem Ahmad	A Unified Approach to control the undesirable Route Discovery packets in Adhoc Networks	Awarded in 2016
6.	Nancy Agarwal	Intrusion Detection for Web Applications	In Progress

Professional/Teaching Experience

Presently working as Associate Professor (Computer Science) on permanent position with Department of Computer Science, Jamia Millia Islamia (A Central University), New Delhi.

Job Responsibilities:

- Teaching at PG and UG level.
- Supervision of Project Work of MCA, BIT/BCA and M.Sc.(Bioinformatics) students.
- Supervising PhD students
- Other administrative responsibilities given in the Department.

Papers Taught at UG and PG Levels so far

1. Programming in C and Data Structures
2. Object-Oriented Programming using C++/Java
3. Internet Technology and Applications
4. Computer Networks and Security
5. Fundamentals of Computing
6. Programming in PERL for Bioinformatics
7. Systems Analysis and Design
8. Windows Programming

Seminar/Conference/Workshop/Invited Talks

1. Attended four days workshop on "Development of Quality Question Paper" at the Academic Staff College, JMI from March 9-12 2002.
2. Worked as the member of the organizing committee for the National Workshop on "Artificial Intelligence, Soft-computing and Bioinformatics Applications" organized by Department of Computer Science, JMI from 16th to 19th November 2004.
3. Attended a workshop on *Bioinformatics: Tools in Biosequence analysis and Biocomputing* organized by Amity Institute of Biotechnology, Noida from 8th-10th Sept 2005.
4. Participated in *three weeks 2nd Refresher Course* in Computer Science organized by UGC-ASC, JMI from 7th Dec to 28th Dec 2006 and presented a paper titled "Scripting Languages and applications".
5. Attended a National workshop *IT FOR ALL* organized by FTK- CIT, Jamia Millia Islamia, New Delhi, on 30th October 2007.
6. Delivered a Lecturer on "Scripting Languages and its applications in Bioinformatics" in a National Training Programme on "Semantic Web & Ontologies in Bioinformatics" organized by DBT funded BIF Centre, Department of Computer Science, Jamia Millia Islamia, New Delhi from 9-11 January 2008.
7. Participated in *four weeks 83rd Orientation Programme* organized by UGC-ASC, JMI from 20th Feb to 19th March 2008 and presented a paper titled "Updating Computer Science Education".
8. Attended the *National workshop on Emerging Technologies (NCET -08)* held at Integral University, Lucknow from 29-30 March 2008 and presented a research paper titled "QoS in Universal Access Method setup for IEEE 802.11 networks w.r.to MAC layer performance parameters".

9. Attended two days Faculty Development Training Program at Accenture Service Pvt. Ltd, Gurgaon from 10th and 11th April 2008.
10. Attended 1st National Workshop SUDMIT-2009, organized by FTK- CIT, Jamia Millia Islamia, New Delhi from 26-27 Feb 2009.
11. Delivered 30 lectures in the one month Summer Training Programme to the students of Masters Course held in the Faculty of Engineering in the *Suleyman Demirel University (Ministry of Science and Education) Almaty, Kazakhstan* from 1st June to 29th June 2009.
12. Attended 2nd National Workshop SUDMIT-2010, organized by FTK- CIT, Jamia Millia Islamia, New Delhi from 25-26 March 2010.
13. Chaired a Session for research papers presentation at National Conference on Next Generation Computing and Information Security (NCNGCIS) on 25th March 2011. organized by IMS, Noida.
14. Chaired a Session for research papers presentation at International Conference on Issues and Challenges in Networking, Intelligence and Computing Technologies (ICNICT-2011) on 3rd Sept., 2011. Organized by KIET, Ghaziabad and Dept. of Science & Technology, Govt. of India..
15. Worked as the member of the organizing committee in the National Workshop on “*ERP Mission*” organized by FTK-CIT, JMI from 17th to 18th Sept., 2011.
16. Participated in the National Conference on “*Emerging Trends in Open Source applications and cloud computing (OSACC-2012)*”, organized by FTK- CIT, Jamia Millia Islamia, New Delhi on March 15, 2012.
17. Participated in the National Workshop on “*Modernization of Learning Environment in Higher Education*” held at FTK- CIT, Jamia Millia Islamia, New Delhi from 18th to 19th January, 2013.
18. Attended a Three Weeks Special Winter School organized by UGC-HRDC, JMI from 24 December 2013 to 12 January 2014.
19. Delivered a Lecture titled Human–Computer Interaction, on 14-04-2015 at UGC-HRDC, JMI, New Delhi.
20. Delivered a Lecture titled Application of Computer Networks on 19-05-2016 at UGC-HRDC, JMI, New Delhi.
21. Attended a National seminar on Recent Trends in Computer Science, March 30, 2016 and presented a Poster Paper in the Seminar.
22. Attended 7th DBT-BIF Workshop on Translational Bioinformatics(NWTB-17), Feb 15-16, 2017.
23. Attended International conference on Theory and Practice of Electronic Governance,, Ministry of Electronics and IT, Govt of India, March 7-9, 2017.

List of Published, Accepted and Presented Research Papers

1. S.Z. Hussain, S.K.Naqvi, S A M Rizvi, S I Ahson, “*QoS in Universal Access Method Setup for IEEE 802.11 Networks with respect to MAC layer performance parameters*”, presented at *National Conference on Emerging Technologies* held from 29th to 30th March 2008, at Integral University, Lucknow.
2. S A M Rizvi, S.Z. Hussain, Nadia Imdadi, “*A Novel Approach to Employ Ontologies and Ontology Engineering for Bridging Semantic Gap between Resources on the Web*”, accepted at *National Conference on Emerging Technologies* held from 29th to 30th March 2008, at Integral University, Lucknow
3. S.Z. Hussain, S.K.Naqvi, S A M Rizvi, S I Ahson, “*QoS in Universal Access Method Setup for IEEE 802.11 Networks*”, accepted at IEEE sponsored *ICETET-08*, Nagpur.
4. S.Z.Hussain “*QoS in MAC Protocols*”, NSIF-08 organized by Faculty of Natural Sciences, JMI from 6-8 March 2008.

5. Rizvi S.A.M., S.Z.Hussain and Syed Imtiyaz Hassan, "Increasing the Reusability of Interactive Software Systems by Micro-Level Design", International Journal of Software Engineering, Volume 1, Number 1 (2010), pp. 41—50, ISSN: 0974-3162.
6. Rizvi S.A.M., Syed Zeeshan Hussain and Syed Imtiyaz Hassan, "Thinking beyond Web1.0: A Look at the New Next Generation Web Technologies" *in proc. of the National Conference on Emerging Trends in Advanced Computing & Informatics – CICON- 2010* , Shobhit University, Meerut, India, May 8th & 9th , 2010.
8. Vineet Sharma, SAM Rizvi, S.Z.Hussain, "Distributed Co-ordinator model for Optimal Utilization of Software and Piracy Prevention", Published in International Journal of Computer Science & Security (IJCSS) 2010, Vol. 3,pp-350 issue 6,ISSN 1985-1553.
9. Vineet Sharma, SAM Rizvi, S.Z.Hussain, "Distributed software and license key management an initiative to stop software piracy", UBICC, Ubiquitous Computing & Communication Journal, South Korea, Vol. 5, No. 1, pp-1770- 1777, 2010.
10. Vineet Sharma, SAM Rizvi, S.Z.Hussain", Distributed Media Player", 4th National Conference; INDIACom-2010.
11. Vineet Sharma, SAM Rizvi, S.Z.Hussain, "Dynamic Software License Key Management using Smart Cards", International Conference on advances in Computer Engineering ACE2010, Bangalore India, 978-0-7695-4058-0/10 \$26.00 © 2010 IEEE, pp- 244-246, ISBN No: 978-1-4244-7154-6
12. Vineet Sharma Dr. SAM Rizvi, "S. Zeeshan Hussain, "Dynamic License Key Management and Piracy Prevention", 3rd International Conference on Data Management, ICDM, IMT Ghaziabad, 2010, ISBN No: publisher Macmillan, page no: 220-227, ISBN No: 0230329799.
13. Muqem Ahmed, SAM Rizvi, S.Z.Hussain, "Knowledge Grid characteristics and strategies", 0973-7529/978-81-904526-9-3, INDIA Com 3rd National Conference on Computing for Nation Development 2010, Bhartiya Vidhya Peeth Paschim Vihar New Delhi.
14. Muqem Ahmed, SAM Rizvi, S.Z.Hussain, "Semantic Grid E Learning Platform for Education System", ISSN/ISBN 0973-7529/978-81-904526-9-4, INDIA Com 4th National Conference on Computing For Nation Development 2010, Bhartiya Vidhya Peeth Paschim Vihar New Delhi.
15. M.Ahmad, S.Z.Hussain and S.A.M Rizvi, "Web knowledge based grid: agent based workflow education for university to access grid data resource in distributed environment, INTERNATIONAL CONFERENCE ON METHODS AND MODELS IN SCIENCE AND TECHNOLOGY, 2010, 2010/11/6, Journal AIP Conference Proceedings, Volume 1324, Pages 467-469, 978-0-7354-0879-1.
16. Neeta Wadhwa, SAM Rizvi, S.Z.Hussain, "A Security Protocol for Peripheral Devices", International Conference on "Computing: Update and Trends", "CUT- 2010" held at JIM Ghaziabad on 6 Feb 2010, pp.214-221, ISBN 978-81-313-0835-6.
17. Neeta Wadhwa, ,SAM Rizvi, S.Z.Hussain, "Analysis of Substitution and Permutation from Cryptanalysis Perspective" Proceedings of the International Symposium on Computer Engineering and Technology "ISCET-2010".
18. Neeta Wadhwa, SAM Rizvi, S.Z.Hussain, "The Modified Symmetric Cipher : MCast-256" Proceedings of the International Student Symposia In Computing "ISSC 2K10" and in national journal "PRAYAS". Neeta Wadhwa, SAM Rizvi, S.Z.Hussain, Fourth National Conference; "INDIACom-2010" held at BVICAM , New Delhi on 25-26 Feb 2010, and presented a paper entitled "Cryptography and Mathematics" pp.185, ISSN 0973 – 7529 and ISBN 978 – 81 – 904526 – 9 – 4.
19. M. Ahmed M., Rizvi S. and Hussain S.Z. "Knowledge based grid knowledge discovery", Published in the Proceedings of IEEE 6th International Conference on Next Generation Web Services Practices (NWeSP2010) November 23-25, 2010 – Gwalior, India.
20. Rizvi S.A.M., S. Zeeshan Hussain and Syed Imtiyaz Hassan, Simplifying Mobile Application Development with MVC", in proc. of the 5th National Conference;

INDIACom-2010, Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi, India, February 25– 26, 2011, pp. 495-498, ISBN: 978-81-904526-9-4, ISSN: 0973-7529.

21. Rizvi S.A.M., S. Z. Hussain and Neeta Wadhwa, "Performance Analysis of TWOFISH and AES Encryption Schemes", in CSNT-2011, International Conference on Communication Systems and Network Technologies, SMDVU Katra, 3-5 June 2011, ,pp 76-79, ISBN978-0-7695-4437-3.
22. Rizvi S.A.M., S. Z. Hussain and Neeta Wadhwa, "A Comparative Study Of Two Symmetric Encryption Algorithms Across Different Platforms", International Conference on Security and Management (SAM'11), 2011, CSREA Press, ISBN:1-60132-196-1.
23. M.Ahmad, S.Z.Hussain and S.A.M Rizvi,"Knowledge Grid Electronic Commerce Recommendation System in the Distributed Collaborative Framework, Vol.1, No.2, pp.1-8, December, 2011, International Journal of Computing Technology and Information Security, 2231-1998.
24. Neeta Wadhwa,S.Z.Hussain and S.A.M Rizvi, "Review of the Journey from DES to AES, ,vol. 3, issue 2, June 2013, pp. 351-366, International Journal of Computer Science and Engineering and Information Technology Research Journal (IJSEITR), 2249-6831.
25. Neeta Wadhwa,S.Z.Hussain and S.A.M Rizvi, "A Study of MARS, RC and SERPENT" , Vol. 2, Issue 3, July 2013, 89-94, International Journal of Computer Science and Engineering (IJCSE), 2278-9960.
26. M.Ahmad, S.Z.Hussain and S.A.M Rizvi, "Knowledge based Grid Using Semantic Web for the University System", 46-52, Volume 76– No.15, 2013, International Journal of Computer Applications, 0975 – 8887.
27. Neeta Wadhwa,S.Z.Hussain and S.A.M Rizvi, "A Combined Method for Confidentiality, Integrity, Availability and Authentication(CMCIAA)", Proceedings of the World Congress on Engineering, London, July 2013, ISBN: 978-988-19252-8-2 ISSN: 2078-0958 (Print); ISSN: 2078-0966 (Online).
28. Naeem Ahmad and S. Zeeshan Hussain, Performance analysis of adaptive routing protocols based on different mobility model with varying network size, The Fourth International Conference "The Next Generation Information Technology Summit (CONFLUENCE 2013)" IEEE Xplore, 2013
29. S. Zeeshan Hussain and Naeem Ahmad, "Cluster Based Controlling of Route Exploring Packets in Ad-Hoc Networks", June 24-26,2014, International Conference on Advanced Computing, Networking and Informatics – Volume 2, pp103-112 , Book Chapter-13, 2014. Smart Innovation, Systems and Technologies 28, DOI: 10.1007/978-3-319-07350-7_12, c Springer International Publishing Switzerland.
30. Naeem Ahmad, S. Zeeshan Hussain, "Broadcast Expenses Controlling Techniques in Mobile Ad-hoc Networks: A Survey", Journal of King Saud University – Computer and Information Sciences,1319-1578 Production and Hosting by Elsevier B.V. on behalf of King Saud University , Vol. 28, pp-248–261, 2015.
31. Chaudhary Wali Mohammad, Mohd. Shahid, S.Zeeshan Hussain, "FAGOSRA: Fuzzy Attributed Goal Oriented Software Requirements Analysis Method", Ninth International Conference on Contemporary Computing (IC3-2016), August 11-13, 2016, Noida, India, 978-1-5090-3251-8/16
32. S. Zeeshan Hussain and Nancy Agarwal, "Quality Signatures for Detecting Intrusions", Department of Computer Science & Engineering, RTU, Kota, Rajasthan, 3rd International Conference on Cyber Security (ICSS-2017) August 11-13, 2017, Proceedings published in International Journal of Advance Studies in Computer Science and Engineering(IJASCSE), volume 6 issue 9 (Theme: Cyber Security, Information Security & Privacy in Communication Networks), 2017, <http://www.ijascse.org/ijascse-volume-6-theme-based-issue-9>, ISSN: 2278 7917.
33. S.Zeeshan Hussain, Mohd. Shahi, Chaudhary Wali Mohammad, "Selection of Software Requirements using Decision Tree during Software Development Process", International Journal of Engineering Research and Application www.ijera.com, Vol. 7, Issue 9, (Part-7) September 2017, pp.71-77, ISSN: 2248-9622.

34. Naeem Ahmad and S. Zeeshan Hussain, "Power saving technique for controlled broadcast of query packet in MANETs", International Journal of Mobile Network Design and Innovation, Vol. 7, No. 3/4, January 2018, Inderscience Enterprises Ltd, 1744-2850, 1744-2869.
35. S. Zeeshan Hussain, Naeem Ahmad, "Minimizing Broadcast Expenses in Clustered Ad-hoc Networks", King Saud University Journal of King Saud University – Computer and Information Sciences, 1319-1578 Production and Hosting by Elsevier B.V. on behalf of King Saud University, Vol. 30, pp-67-79, January, 2018.

Administrative Responsibilities held

- Worked as Advisor, Subject Association in the Department of Computer Science, JMI.
- Worked as Course Coordinator of BCA/BIT course.
- Worked as member/convenor of Advisory committee for Bioinformatics course in the Department of Computer Science, JMI
- Working as Computing Labs Coordinator in the Department of Computer Science, JMI
- Working as Purchase Committee Coordinator in the Department of Computer Science, JMI
- Member of the Curriculum Committee in the Department of Computer Science, JMI.
- Member of the Moderation Committee of Department of Computer Science, JMI.
- External/Internal examiners and paper setters for various theory and lab papers and Tabulator at JMI and other universities/institutions.
- Asstt. Supt. of Examination in the B.Tech Entrance Test, JMI.
- Appointed Advisor to the Interview Board for the interview of Asstt. Central Intelligence Officer/Grade-II (EDP) conducted by Staff Selection Commission, Govt. of India on 7th & 14th February 2011.
- Member, Departmental Meetings, Department of Computer Science, JMI
- Member, Departmental Examination Committee, Department of Computer Science, JMI.
- Superintendent of Examination, Department of Computer Science, JMI , August 2014.
- Member, Board of Studies, Department of Computer Science, JMI
- Working as Course Advisor/Coordinator, M.Sc.(Bioinformatics) Programme (2014-till date)
- Working as Coordinator – PhD Programme (2014-till date)

Personal Details

Father's Name : Mr. Syed Ghulam Hussain, D.P.E.O (Rtd)
 Home Address: : Mohalla: Asanandpur, At/P.O: Bhagalpur - 812002 (Bihar)
 Nationality : Indian
 Sex : Male
 Marital Status: : Married
 Hobbies : Reading Books/Magazines, Watching Cricket match, Surfing Internet.

(Dr. Syed Zeeshan Hussain)