

*Curriculum Vitae***Syed Afzal Murtaza Rizvi****PhD in Computer Science & Engineering**

*Professor and Former Head,
Department of Computer Science,
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PROFESSIONAL PROFILE

- Accomplished career demonstrating success as an educator at higher education levels with more than 39+ years of teaching and research.
- **Total Experience as Professor: 17 Years (1997 to 2004 and from July 2011 to till date);**
- **Professor 10 years+ alone in present position at Jamia Millia from July 2011-Till date**
- A multitude of courses taught, both on UG and PG level, with special emphasis on the guidance of PhD scholars. [List Attached]
- Peripheral Encryption Algorithm (PEA)Patent: "SPEAK: Serial Peripheral Encryption Algorithm for Keyboard and Thermal Printer."
- Designed courses as a member of BOS and other academic bodies.
- Taught in USA (Credit Hour System), Australian, UAE, and Indian Educational Systems.
- Experienced in building programs from scratch and taking them to proven levels of competencies with them method of teaching driven by interactive IT based structure.

RESEARCH PROFILE

- A number of publications, covering a vast array of fields, in major Computer Science related Journals and equally large number of papers presented at various conferences, with regular in conference attendance and participation. [Listed Later]
- **As per Google Scholars,1-194+Research Publications (Listed Separately).**
- **28 PhDs** successfully completed/awarded; **9** scholars currently registered.
- A Senior Life Member of Computer Society of India (CSI), Old Member of IEEE, ISCA , and IEA.
- Delivered invited and special/keynote addresses as Chairman (Technical)Committees of the Conferences. Presided over technical sessions.

EXPERIENCE

- A total of **39+ years** of teaching and research experience [1983- Till Date], out of which **Seventeen years** have been as a Professor in India and abroad.

EDUCATION

- Ph.D. in Computer Science and Engineering with Software Engineering/MIS as specialization from Dr. R. M.L. Avadh University, India, in 1996.

ACADEMIC DISTINCTION [Achievements and Efficacy]

- For the work done over "SPEAK: Serial Peripheral Encryption Algorithm for Keyboard and Thermal Printer", PATENT for the same has been received.
- Chairperson, BoS of Computer Science, JMI, lead the Team to Develop Best Syllabus.
- Professor- Incharge/OSD(Engineer Examination)AGRA University
- Professor- Incharge Computer Lab. Development AGRA University
- VC Nominee in Selection Committees, JMI & Agra University
- Chairman, University Inspection Team for Grant of Affiliation
- Elected Representative in Academic Council, JMI (Two terms)
- Advisor/Consultant/Expert, Selection Committee Universities/Govt.
- Delivered Special Addresses/Chairing Sessions/Keynote Speaker
- Coordinator/Superintendent, UGC-NET Examination Centre
- Expert Member National Panel of Paper-Setter/Examination/Evaluator
- ExpertMemberinUGCPanelforSanctioningUniversityStatus– JNTU(JawaharlalNehruTechnicalUniversity -Kakinada)
- Coordinator, Refresher Course in Computer Science, JMI
- Coordinator, Department Research Committee/Ph.D. Admission, JMI
- Convener, CSIT XXXII Indian Social Science Congress (ISSC)-2008-09
- Convener NSIF-2007(Natural Science Info Fest)
- Member, Committee for creation of National Centre for Basic Sc. Res.
- Placement Coordinator(2004–onwards)
- Coordinator/Supervise and Lead Student Education Maiden Tour
- Elected President, RWA–AHWS 2008 onwards (Residence Welfare A.)
- Consultant & Programme -Director (MIS), Abu Dhabi University, UAE.
- Consultant, Jawaharlal Institute of Technology(Deemed University),Indore.
- Chief Manager(EDP/IT), GSL, Ministry of Defence, GoI, Vasco, Goa.
- Expert Member to Review Ordinance of the University.
- Expert Empaneled for HRD Ministry, Minority Ministry, External Affairs Ministry, Indo-Canadian Studies, and ICSSR & ICCR.

EXPERTISE

1. Besides Ph.D. supervision, post-graduate and under-graduate guidance to a multitude of students.
2. Training given to students for software development activities.
3. Trained as University Teacher from IIT(Bombay) and JNU, New Delhi, through the Ministry of Higher Education Programmes, sponsored by UGC/DOE, Govt. of India.
4. Consultant for Abu Dhabi University in UAE and for Jawaharlal Institute of Technology (JIT), in India.
5. Worked as Director, Training and University-Industrial Linkage Programme.
6. Worked as Chief Manager (EDP/IT) in Goa Shipyard under the Ministry of Defence, Government of India. Trained Industrial Computer Professional in theareaofsoftwaredevelopmentandhands-onexperiencethroughvariousTrainingofExecutiveMBAprogrammes.
7. Patron and host for organizing conferences, seminar and workshops.
8. DealtwiththeInternationalAccreditationBodiesasDean/Director/Head.
9. "Ego-less Performer", using optimum resources in fast paced environments with Positive Attitude and Required Aptitude.

POSITIONS HELD AT JAMIAMILLIA ISLAMIA – Central University

1. Professor and Head of the Department, DCS, JMI (2016-2019).
2. Professor, DCS, JMI (July 2011-till date – **More than Ten Years Experience as Professor**).
3. Associate Professor, DCS, JMI (2004-2011).

Total Experience as Professor: 17 Years (1997 to 2004 and July 2011 to till date)

MAJOR POSITIONS HELD

1. Professor in Computer Science and Engineering, AUST, UAE.
2. Consultant and Programme-Director (MIS), Abu Dhabi University, UAE.
3. Professor-Director, BCIT, GGSIPU, New Delhi.
4. Consultant, Jawaharlal Institute of Technology (Deemed University), Indore
5. Professor and Head, DCSE, Agra University, Agra.
6. Professor and Head, DCE, MMEC, Krukshetra University, Krukshetra.
7. Professor-Director, IIST, Purvanchal University, Varanasi.
8. Professor, DCSE, SRMEC, University of Madras, Chennai.
9. Chief Manager (EDP/IT), GSL, Ministry of Defence, GOI, Vasco, Goa.
10. Senior Lecturer/System Manager, DCST, Goa University, Goa.

AREAS OF SPECIALIZATION

Software and Web Engineering, Algorithms, Automation and Bioinformatics and AI

RESEARCH SUPERVISION

- **28 scholars** have been **awarded PhD** under my Supervision/Co-Supervision.
 - **9 scholars** are currently listed and registered under supervision.
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RESPONSIBILITIES (Roles Assumed/Other Achievements)

- Professor-In-charge /OSD(Engineering) Examination AGRA University
As a Professor-In-charge of Engineering Examination, I have smoothly conducted the examination of all engineering courses conducted at all the Constituent and Affiliated Engineering Colleges of the University spread over the State at same timings with highest degree of fairness and confidentiality.
- Professor-In-charge Computer laboratory Development AGRA University
During my tenure as Professor and Head, the University developed and made functional a state-of-the-art Computer Laboratory on the whole campus of AGRA University.
- Advisor/Consultant/Expert Selection Committee
 1. Advisor/Member, Selection Committee for the Selection of Faculty Members in Engineering Colleges/Various Universities.
 2. Member, Selection Committee for the Selection of Faculty Members in Delhi Government/SSC/Bank Board.
 3. Member/Consultant, Inspection and Implementation team for the Computerized Education Mission of GOI through EDCIL.
 4. Led the team for Inspection of the factory of Accer Multinational at Pondichery/Chennai on behalf of Government of India /EDCIL.
 5. Expert Selection Committee UPSC, JKPSC, UKPSC, Indo-Shastri Org, Ministry of External Affairs, Ministry of Minorities, HRD, UGC, AICTE, Inspecting Authority appointed by Maulana Azad Foundations, etc.

- Delivered Special Addresses/Chairing Sessions
 1. Delivered Inaugural Presidential Address of the CSIT track of XXXII Indian Social Science Congress (ISSC). The Theme/ Title of the address was" Emerging Technologies (GRAIN) in India's national Development", which was published as well in the proceedings of the Congress.
 2. Delivered Keynote Addresses on "Quality Education, Accreditation Process and Role of University" during the National Conference on Role of University at Azad Engineering College, on19-20Feb. 2008.
 3. Chaired the Session in National Conference on Role of University at Azad Engineering College, on19-20February 2008.
 4. Delivered Invited Special Lecture on "Indian IT Industries, Automation and National Development" at National Workshop on "Information Technology in Governance, Industry, Medicine & Environment", Dr M. C. Saxena College of Engineering & Technology, Lucknow, India, Feb.10-11,2007.
 5. Delivered Invited Lecture on "IT Professional Teachers and Software Development" at Academic Staff College, Aligarh Muslim University, Aligarh on Jan. 13, 2009.
 6. Delivered Invited Lecture on "Role of Professional Teachers in IT Education" at D.A.V. Institute of Management, Faridabad, Feb. 2009.
 7. Delivered Invited Special Lecture on "Recession, Computer Engineers and Placement Prospects" at Institute of Management Studies, Ghaziabad on Oct.10,2009.
 8. Chaired the Track on "High Performance Computing", National Conference IndiaCom-2014, BVICAM, Delhi,2014.
 9. Chaired the Track on "Software Engineering", National Conference IndiaCom-2010, BVICAM, Delhi,2011.
 10. Chaired the Track on "High Performance Computing", National Conference IndiaCom- 2010, BVICAM, Delhi,2010.
 11. Chaired the Track on "Software Engineering", National Conference- IndiaCom-2009, BVICAM, Delhi,2009.
 12. Chaired the Track on "Software Engineering", National Conference-IndiaCom-2008, BVICAM, Delhi,2008.
 13. Chaired the Track on "Software Engineering", National Conference-IndiaCom-2007, BVICAM, Delhi,2007.
 14. Delivered Invited Lecture on" Computer Applications in Interdisciplinary Research" at Academic Staff College, Jamia Millia Islamia, Central University, New Delhi on Dec., 2011.
 15. Chaired along Director, NIT, Krukchetra, and Delivered Keynote Addresses on "Advancement of Computer and its Impact on Quality of Education and Quality of Life "during the National Conference on Computer Science at Arya P.G. College, Panipat, on April, 2011.
 16. Delivered Invited Lecture on "Automation and Data Handling in Social Sciences Research" at Research Methodology Workshop, Kashmir University, J&K on Dec.17, 2013.
 17. Chaired Session during CSI- 2015: "50th Golden Jubilee Annual Convention" On the Theme "Digital Life" at BVICAM, New Delhi during 2-5, Dec 2015.
 18. Chaired the Session Track 4.3, during INDIACom – 2015; 9th INDIACom; 2nd IEEE International Conference on "Computing for Sustainable Global Development" on 13th March, 2015.
 19. Organizing Chairperson for National Seminar on "Recent Trends in Computer

- Science”, at Department of Computer Science, Jamia Millia Islamia, New Delhi, 30th March 2016.
20. Organizing Chairperson for DBT-BIF National Workshop on “Translational Bioinformatics”, at Department of Computer Science, Jamia Millia Islamia, New Delhi, 30th March 2016.
 21. Coordinated Bioinformatics Infrastructure (DBT-BIF) Coordinators Meet organized by DBT at Cancer Hospital, Bombay on 3-4., Feb 2017.
 22. Chaired the Sessions 1.1 and 1.2, during INDIACom – 2017; 11th INDIACom; 4th IEEE International Conference on “Computing for Sustainable Global Development” on 2nd March, 2017.
 23. Chaired and Delivered Keynote Addresses on "Innovation Innovative trends In Computer Science Research-2017" during the National Conference on Computer Science at n Baba Ghulam Shah Badshah University, Rajouri, on 25-26, Feb. 2017.
 24. Keynote Speaker at National Seminar on “Recent Advances on Information technology”, at KL Mehta Dayanand College for Women, Faridabad, 2018.
 25. Coordinated Bioinformatics Infrastructure (DBT-BIF) Coordinators Meet organized by DBT on “Translational Bioinformatics” at Manomanian Sundarnar University, Tirunelveli on 3-4., Feb 2018.
 26. Chief Guest and Delivered Keynote Addresses on " Advance trends In Computer Engineering-2017" during the National Conference on Baba Ghulam Shah Badshah University, Rajouri., 2018.
 27. Chief Guest and Keynote Speaker at National Conference at MDU Rohtak, Haryana, 2019.
 28. Guest of Honour and Keynote Speaker, National Conference, KIET, Ghaziabad, UP., 2019.
 29. Coordinator/Superintendent, UGC- NET Examination Centre
 30. Appointed Incharge: Superintendent, -UGC-NET Centre for Conducting the NET Examination.
 31. Expert Member National Panel of Paper-Setter/Examination/Evaluator
 32. Expert Member (Appointed by UGC) National Panel of Examiner/Evaluator and Paper Setter for NET Examination in Computer Science & IT.
 33. Expert Member in UGC Panel for Sanctioning University Status-JNTU
 34. Expert Member (Appointed by UGC) to Evaluate & Access Institution to recommend the status of University/Deemed University-JNTU, AP.
 35. Placement Coordinator (2004–Till Date)
 - The milestone of almost 100% Placement was achieved first time in the Department, when I had taken over in 2004-05 for MCA Batch passing out in 2006. However, the best is yet to come.
 - My Contribution in Placement matter is so huge and significant that the TPO himself has commented in writing on record "Dr Rizvi is an asset to the University as far as Placement matters are concerned. My words fail to appreciate his selfless contribution in the present era of extreme selfishness."
 - Elected Representative in Academic Council, JMI (Two terms)
 - Elected unopposed (TWO Terms @3 years, i.e. – From 2009-12 & 2012-15) Faculty Representative in Academic Council of Jamia Millia Islamia on behalf of Faculty of Natural Sciences, JMI.
 - Elected President, RWA–AHWS 2008 onwards.
 - Elected Founder President, RWA, AMAN Apartments Housing Welfare Society (AHWS), D-331, Nai Basti, Okhla, Jamia Nagar, New Delhi.

- Coordinator, Refresher Course in Computer Science, JMI
- Eminent Experts, Peer Researchers and Eminent Professor of IT and Higher Education were invited and involved in well organized, with objectivity and Quality-Centric Refresher Programme in IT /Computer Science, DCS, JMI.
- Coordinator, Department Research Committee/Ph.D. Admission, JMI. It is extremely difficult to ensure quality research, based on creativity and originality, especially in the era of Internet. Many cases of impropriety have surfaced in recent days. Many initiatives have been taken as Coordinator, DRC, to ensure, encourage and imbibe appropriate research aptitude and attitude amongst the Research Scholars and peer researchers of the Department with transparency and objectivity. It has brought a positive change and ethical conduct amongst the Faculty and Research Scholars.
- Coordinator/Supervise and Lead Student Education Maiden Tour.
- Took the Responsibility and Led the Students Educational Tour to visit Bangalore (an IT Hub of Indian, or Silicon Valley of India) for the benefit of the Students careers. Taking such Tours of P.G. Professional students are challenging and accepting Responsibility, when Girl Students are also the Integral part of it, is a difficult decision. Normally, Teachers avoid taking such responsibility. Perhaps, that is why our Department could have only this maiden tour in the History of our Department. It was a very Successful Learning Industrial Experience, and outside Classroom, for the development of Students personality and career. It has exposed them to the Real Life world of the best of IT Practicing Multinationals in Bangalore and Mysore.
- Convener, CSIT XXXII Indian Social Science Congress (ISSC)- 2008-09
Led from front and organized taking it as a challenge and to ensure the success of such a Mega Event hosted by Jamia Millia Islamia. The content & activities of the CSIT track of ISSC was well thought and well sought due to its worthiness. It was consistent with the theme of the ISSC.
- Convener NSIF- 2007
The success of NSIF_2007, (National Science Info Fest started in JMI first time in 2007) another millstone, is well known to the peers, who openly appreciated my Contribution as "Ego- Less Performer "in a fast paced environment, being in the helm of the affairs as Founder-Convener. It was a 3- days event with tightly packed activities (with rich Quality content) involving, students' quiz, to paper presentation by Research Scholars, Debate Competitions, Students Contest for Website development, Graphics Challenges from IT/ Software Industries, to invited talks by specialists, covering subjects of six departments, involving all the staff and students of Six Departments under Faculty of Natural Sciences. As a Convener, I have created a milestone and left the years to come for others to take it up as an opportunity. It did continue beyond 2007 but reduced to one-day event and could not match the milestone created in 2007.

JOB RESPONSIBILITIES HELD

1. Recognized Research Guide and Experience of Guiding (Ph.D.) Research.
2. Teaching & Project Guidance (Postgraduate & Graduate both).
3. Instruction in Laboratory; Student Assessment & Evaluation.
4. Curriculum Development & Development of Research Materials.
5. Experience of Leading Consultancy Project & Extensions Services.
6. Provided Leadership in both Post-Graduate & Under-Graduate Courses in relevant field of specialization, as the member of first Board of Studies (BOS) in Computer Science, in 1987 onwards.
7. Member of Selection Committee for Recruitment of Faculty Positions/ Professionals.

8. Professional Adviser/Consultant for Institutes and Organizations.
9. Efficient Academic Management and Effective Administration through various positions held such as Director/Dean/Head/Chairman, since 1997 onwards.
10. Experience of Dealing with International and Regional Accrediting body.
11. Follow-up/Coordination of "Action Plan", from various Academic Bodies Proceedings.
12. Experience of Establishing National Institute/University/Department. Management of Resources (Human, Machine, Projects) in fast-paced environments.
13. Strategic Thinking/ Problem Solving Skills, with positive Attitude and Required Aptitude.
14. Effective Communication Skills–Written, Oral and Multimedia Presentation.

COURSE TAUGHT PROFESSIONALLY (Selected Few)

1. Introduction to Programming (Programming I&II).
2. Introduction to Computer Science.
3. Object Oriented Programming.
4. Principals/Organization of Programming Languages.
5. Data & File Structure; Database Management System.
6. Computer Oriented Numerical Methods; Computer Oriented Optimization Models.
7. Introduction to Probability & Statistics; Mathematical Foundations of Computer Science/Business/Economics; Operation Research.
8. Discrete Mathematical Structure; Mathematics I, II, III, & IV.
9. Logical Organization of Computer Systems; Operating System Architecture.
10. System Programming; Software Engineering.
11. Artificial Intelligence, Business Expert System.
12. Computer Ethics.
13. Computer Application & Information Management for Management Programme.
14. Management Information Systems (MIS) for Management Programme.

Books Published

- Book1. Dr. S.A.M. Rizvi and Pankaj Agarwal, "Algorithms: Analysis, Design and Implementation", Anamaya Publications, 2007, ISBN: 978-81-89927-03-5
- Book2. Dr. S.A.M. Rizvi and Dr Halima Sadia Rizvi, "Globalization, Automation and Nation Building", First Edition Publications, New Delhi, 2005. ISBN:81-8888-14-9
 - Book 3. Dr. S.A.M. Rizvi and Dr Halima Sadia Rizvi, "GRAIN and BRICS – Emerging Technologies for Emerging Economies", Khanna Book Publishing Company, New Delhi, 2009, ISBN: 978-93-80016-12-2
 - Book4. Dr. S.A.M. Rizvi and Pankaj Agarwal, "Software Project Management: Principles & Practices", Khanna Book Publishing Company, New Delhi, 2009, ISBN: 978-93-80016-02-3
 - Book5. Dr. S.A.M. Rizvi and V.K. Sharma, "An Introduction to Computer Networks", Narosa Publishing House, New Delhi, 2011, ISBN:978-81-8487-095-4
 - Book6. Dr. S.A.M. Rizvi and V.K. Sharma, "Design and Analysis of Algorithms", Nandani Prakashan Pvt. Ltd., New Delhi, 2011, ISBN: 978-93-81126-18-9

RESEARCH SUPERVISION [AWARDED]

- As many as 28 scholars have been awarded PhD under my supervision.
- As many as 9 scholars are currently listed and registered under

supervision.

LIST OF PhD AWARDEES (Status: Awarded, Total: 28)

1. Pankaj Agarwal
Title: "Application of Pattern Matching for Sequence Analysis Problems in Bioinformatics".
2. Saba Aziz Hilal
Title: "Development of Syllabus based Web Content Extractor (SBWCE)".
3. Bharat K. Yadav
Title: "Computer Modelling Based Empirical Study on Coherence-Induced and Diffraction-Induced Spectral Changes".
4. Shahnawaz Ahmad
Title: "An Analytical Study for Evolution of Improved Guidelines and Models for a Centralized Legacy System to Intranet Based Architecture".
5. Maher Ibrahim
Title: "Extension And Standardization of Data Dictionary in DBMS"
6. Luma S. Hasan
Title: "Development of Knowledge Base Management System using Fuzzy Logicon Genetic Learning Algorithm"
7. Syed Zeeshan Hussain
Title: "Aunified approach to analyze medium access protocol for finite buffered user".
8. Zaid Al-Baghdadi
Title: "E-Banking: Challenges and Future".
9. Vinit Kumar (With Dr. S Zeeshan Hussain)
Title: "The Development of Software Technique to Improve the performance of a distributed system".
10. Nadia Imdadi
Title: "Global Framework for Automatic Semantic Integration Incorporating Semantic Repositories".
11. Meenakshi Bhat
Title: "In-Silico Comprehensive Sequence and Structure Analysis of Protease Family".
12. Imtiaz Hasan (With Dr. S Zeeshan Hussain)
Title: "A Study to Achieve Higher Degree of Automation by Structural Change in Model-View-Controller (MVC)".
13. Zeba Khanam
Title: "Refactoring Legacy Information System".
14. Muqem Ahmad (With Dr. S. Zeeshan Hussain)
Title: "Development of Knowledge Based Grid in Semantic Web".
15. Neeta Wadhwa (With Dr. S. Zeeshan Hussain)
Title: "Evaluation and Analysis of Symmetric Cryptographic Algorithms from Cryptanalysis Perspective".

16. Sanjay Kumar Malik of GGSIPU
Title: "An Intelligent Web Framework based on Ontology Design".
USIT/GGSIPU
17. Shaurya Jauhari
Title: "Exegesis of Gene Expression".
18. Pramod Kumar Yadav
Title: "Secure Optimization Of Queries In Mining Of Multimedia Database"
19. Sanjay Pratap Singh Chauhan
Title: "Development of Optical Algorithms for Robust Audio Watermarking".
20. Sanjiv Sharma
Title: "Optimization of Test Cases Using Evolutionary Algorithms".
21. Faraz Ahmad
Title: "A study on Twitter Data Analytics for Rumors Detection and Classification".
22. Abdelaziz Saleh Asad Mohammad
Title "Application of Soft Computing Technology in Business Intelligence".
23. Aga Syed Shafat Ali
Title: "Information Diffusion and Influence Identification on Online Social Network".
24. Gian Devi
Title: "G-Card towards the realization of Personalized Medicine using IoT: Issues and Challenges".
25. Rohit Vasishtha
Title: "Heterogeneous Cross Project Defect Prediction"
26. Amish Izhar
Title: "Big Data- Enabled Framework for Smart Cities"
27. Iqbal Hasan
Title: "A data Analytics Framework for Knowledge Discovery from Heterogeneous Data Sources (DAFDKD)
28. Abu Torab
Title: "Analysis of Gene Expression Data for Cancer Classification using Artificial Intelligence Techniques"
29. Mahsa Mirlashari
Title: "Designing IoT Security Framework for Organizations"
Status: Thesis Submitted

HOBBIESANDINTERESTS

- Teaching and Problem-Solving Analysis as Hobby.
- Urdu Poetry/Creative Writings.
- Reading Motivational and Inspirational Books.
- Deliver Motivational Lectures/Placement Related Lectures.
- Counseling Young minds to be the part of Nation Building.
- Sports: Badminton, Chess & Cricket.
- Represented U.P. (National level) in Ball Badminton at Pondicherry in 1979.

PERSONALANDCONTACTDETAILS

- Date-of-Birth: 05-01-1961
- Passport No.: N8106486; Date of Issue: 4th May 2016; Date of Expiry: 3rd May 2026.
- Married (Wife: Dr. Halima Sadia Rizvi, Professor and Former Head, Department of Economics, JMI; A daughter – Dr. Neda Fatima - B.Tech. (E&C), M.Tech. (E&C), JMI, Ph.D.(E&C), JMI, Gold Medalist; and A son – Dr Syed Bilal Abbas Rizvi -MBBS, Major at Indian Army, AMC, Ministry of Defense, Posted at Delhi, R&R,AH.
- Emails: samsam_rizvi@yahoo.com and sarizvi@jmi.ac.in
- Phone Nos.: +91-9999915251, +91-9868659554.
- Address: Professor and Former Head, Department of Computer Science, Jamia Millia Islamia, New Delhi-110025. INDIA.
