

CURRICULUM - VITAE

Name : MIRZA MOHD. SUFYAN BEG

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Official Address : Department of Computer Engineering
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EDUCATIONAL QUALIFICATIONS:

<u>Examination</u>	<u>University</u>	<u>Year</u>	<u>Result</u>	<u>Marks</u>
Postdoctoral Research	UC Berkeley, U.S.A.	2005-06	-	-
Ph.D. (Computer Technology)	I. I. T. Delhi	2004	-	CPI=9.00/10 (Pre-PhD Courses)
M.Tech. (Microelectronics)	I. I. T. Kanpur	1994	I Division	CPI=8.57/10
B.Sc. Engg. (Electronics)	A.M.U. Aligarh	1992	I Division I Position	CPI=9.92/10
S.S.S.C. (Std. XII)	A.M.U. Aligarh	1988	I Division II Position	83.25 %
S.S.C. (Std. X)	A.M.U. Aligarh	1986	I Division I Position	81.85 %

- **Postdoctoral Work** : “*Precisiating Natural Language for a Question Answering System*” (University of California, Berkeley, U.S.A.).
- **Ph.D. Thesis** : “*On Measurement and Enhancement of Web Search Quality*” (I.I.T. Delhi, India)
Examiners: Dr. M. Nikravesh (UC Berkely, USA) and **Padma Shri Prof. S. K. Pal** (ISI Kolkata, IEEE Fellow).
- **M.Tech. Project** : “*Design of ADSP 2100-Based Multiprocessor Array*” (I.I.T. Kanpur, India).
- **B.Sc. Engg. Project** : “*Custom Specific IC Design of a Digital Frequency Meter Using VINYAS-GX*” (A.M.U. Aligarh, India).

WORK EXPERIENCE:

1. Principal, Zakir Husain College of Engineering and Technology, A.M.U. Aligarh from August 24, 2015 till date.
2. Professor in the Department of Computer Engineering, A.M.U. Aligarh from January 11, 2014 till date.
3. Professor in the Department of Computer Engineering, Jamia Millia Islamia, New Delhi from March 1, 2007 to January 10, 2014.
4. Chairman of the Department of Computer Engineering, A.M.U. Aligarh from May 23, 2015 to August 25, 2015.
5. Head of the Department of Computer Engineering, Jamia Millia Islamia, New Delhi from February 11, 2008 to Feb. 10, 2011.
6. Reader in the Department of Computer Engineering, A.M.U., Aligarh from May 12, 2004 to Feb. 28, 2007.
7. BT Fellow at the Berkeley Initiative in Soft Computing (BISC), Department of Electrical Engineering and Computer Science, University of California at Berkeley, USA from November 2005 to October 2006.
8. Lecturer (Selection Grade) in the Department of Computer Engineering, A.M.U., Aligarh from April 9, 2004 to May 11, 2004.
9. Senior Lecturer in the Department of Computer Engineering, A.M.U., Aligarh from April 9, 1999 to April 8, 2004.
10. Lecturer in the Department of Computer Engineering, A.M.U., Aligarh from Aug. 19, 1994 to April 8, 1999.
11. Lecturer in the Department of Electronics Engineering, A.M.U., Aligarh from April 9, 1994 to Aug. 18, 1994.
12. Teaching Assistant in the Department of Electrical Engineering, Indian Institute of Technology, Kanpur from July 27, 1992 to April 8, 1994.

PATENT:

- M. S. Alam, Md Muzakkir Hussain, **M. M. Sufyan Beg**, "*BIG DATA TO (B2V) ELECTRIC, PLUGIN HYBRID ELECTRIC VEHICLE'S (xEVS) KNOWLEDGE BASE MANAGEMENT SYSTEM*", Patent published in India, Patent Docket No. 201611018212/DEL/2016, Publication Date: 17/06/2016, Journal No. 25/2016.

PUBLICATIONS:**Book:**

1. R. Ali, **M. M. S. Beg** (Editors), "*Applications of Soft Computing for the Web*", Springer, 2017, ISBN 978-981-10-7097-6.

Book Chapters:

1. **M. M. S. Beg**, N. Ahmad, "*Fuzzy Logic and Rank Aggregation for the World Wide Web*" In "*Fuzzy Logic and the Internet, Studies in Fuzziness and Soft Computing*" (V. Loia, M. Nikraves, L. A. Zadeh, Eds.), Springer-Verlag, 2004, ISBN 3-540-20180-7, pp. 27-46.
2. **M. M. S. Beg**, N. Ahmad, "*Subjective Enhancement and Measurement of Web Search Quality*" In "*Enhancing the Power of the Internet, Studies in Fuzziness and Soft Computing*" (M. Nikraves, B. Azvine, R. Yager, L. A. Zadeh, Eds.), Springer-Verlag, 2004, ISBN 3-540-20237-4, pp. 95-129.

3. **M. M. S. Beg**, N. Ahmad, "*Measuring User Satisfaction in Web Searching*" In "*Computational Intelligence for Modelling and Predictions*" (S. K. Halgamuge, L. Wang, Eds.), Springer-Verlag, 2005, ISBN 3-540-26071-4, pp. 321-336.
4. Z. Qin, M. Thint, **M. M. S. Beg**, "*Deduction Engine Design for PNL-based Question Answering System,*" In "*Foundations of Fuzzy Logic and Soft Computing*" (P. Melin, O. Castillo, L. T. Aguilar, J. Kacprzyk, W. Pedrycs, Eds.), Lecture Notes in Artificial Intelligence, LNAI 4529, Subseries of Lecture Notes in Computer Science, Springer, 2007, ISBN 978-3-540-72917-4, pp. 253-262.
5. R. Ali, **M. M. S. Beg**, "*Aggregating Subjective and Objective Measures of Web Search Quality using Modified Shimura Technique*" In "*Forging the New Frontiers: Fuzzy Pioneers II, Studies in Fuzziness and Soft Computing*" (M. Nikraves, J. Kacprzyk, L. A. Zadeh, Eds.), Springer-Verlag, 2008, ISBN 978-3-540-73184-9, pp. 269-293.
6. B. Garg, **M. M. S. Beg**, A. Q. Ansari, B. M. Imran, "*Fuzzy Time Series Prediction Model,*" In "*Information Intelligence, Systems, Technology and Management*" (S. Dua, S. Sahni, D. P. Goyal, Eds), Springer, 2011, ISBN 978-3-642-19422-1, pp. 126-137.
7. B. Garg, **M. M. S. Beg**, A. Q. Ansari, B. M. Imran, "*Soft Computing Model to Predict Average Length of Stay of Patient,*" In "*Information Intelligence, Systems, Technology and Management*" (S. Dua, S. Sahni, D. P. Goyal, Eds), Springer, 2011, ISBN 978-3-642-19422-1, pp. 221-232.
8. R. Ali, **M. M. S. Beg**, "*Modified Rough Set Based Aggregation for Effective Evaluation of Web Search Systems,*" In "*Handbook of Research on Industrial Informatics and Manufacturing Intelligence: Innovations and Solutions*" (M. A. Khan, A. Q. Ansari, Eds.), IGI Global, USA, 2012, ISBN 978-1-4666-0294-6, pp. 193-210.
9. R. Ali, **M. M. S. Beg**, "*Human Computer Interaction for Effective Meta-searching,*" In "*Speech, Image and Language Processing for Human Computer Interaction : Multi-modal Advancements* (U. S. Tiwary, T. J. Siddiqui, Eds.), IGI Global, USA, 2012, ISBN 978-1-4666-0954-9, pp. 214-233.
10. B. M. Imran, **M. M. S. Beg**, "*Fuzzy Identification of Geometric Shapes*", In "*Advances in Computer Science and Information Technology*", (N. Meghanathan, N. Chaki, D. Nagamalai, Eds.), Springer, 2012, ISBN: 978-3-642-27316-2, pp. 269-279.
11. B. M. Imran, **M. M. S. Beg**, "*Towards Perception based Image Retrieval*", In "*Advances in Computer Science and Information Technology*", (N. Meghanathan, N. Chaki, D. Nagamalai, Eds.), Springer, 2012, ISBN: 978-3-642-27316-2, pp. 280-289.
12. B. M. Imran, **M. M. S. Beg**, "*Estimation of f-Similarity in f-Triangles using FIS*", In "*Advances in Computer Science and Information Technology*", (N. Meghanathan, N. Chaki, D. Nagamalai, Eds.), Springer, 2012, ISBN: 978-3-642-27316-2, pp. 290-299.
13. A. Rahman, **M. M. S. Beg**, "*Investigation of Ordered Weighted Averaging Weights for Estimating Fuzzy Validity of Geometric Shapes*", In "*Advance Trends in Soft Computing, Studies in Fuzziness and Soft Computing*" (Mo Jamshidi, V. Kreinovich, J. Kacprzyk, Eds.), Springer, 2014, ISBN: 978-3-319-03673-1, pp. 15-24.
14. G. Ahamad, S. K. Naqvi, **M. M. S. Beg**, "*OWA Based Model for Talent Selection in Cricket*", In "*Advance Trends in Soft Computing, Studies in Fuzziness and Soft Computing*" (Mo Jamshidi, V. Kreinovich, J. Kacprzyk, Eds.), Springer, 2014, ISBN: 978-3-319-03673-1, pp. 229-239.
15. M. Z. Ansari, **M. M. S. Beg**, M. Kumar, "*Enhancement of Fuzzy Rank Aggregation Technique*", In "*Advances in Intelligent Systems and Computing*" (S.C. Satapathy et al Eds.), Springer, 2015, ISBN: 978-81-322-2525-6, pp. 1-9.
16. S. A. Rahman, **M. M. S. Beg**, "*A Novel Approach of Aspect Ranking Based on Intrinsic and Extrinsic Domain Relevance*", In "*Advanced Computing and*

Communication Technologies”, vol. 452 of the series “*Advances in Intelligent Systems and Computing*” (R. K. Choudhary et al Eds.), Springer, 2016, ISBN 978-981-10-1021-7, pp. 485-492.

17. M. M. Hussain, M. S. Alam, **M. M. S. Beg**, H. Malik, “*A Risk Averse Business Model for Smart Charging of Electric Vehicles*”, Smart Innovation Systems and Technologies (SIST) Series, Springer, 2017.
18. M. M. Hussain, M. Saqib, M. S. Alam, **M. M. S. Beg**, Amol Sawant, “*xEVs Charging Management through Cloud Computing*”, Lecture Note in Electrical Engineering (Springer), 2017.
19. M. M. Hussain, M. S. Alam, **M. M. S. Beg**, “*Fog Computing Model for Evolving Smart Transportation Applications*”, In “*Fog and Edge Computing: Principles and Paradigms*” (R. Buyya and S. N. Srirama Eds.), John Wiley & Sons, 2019, pp. 347-372.

Journal Papers:

1. **M. M. S. Beg**, C. P. Ravikumar, “*Application of Parallel and Distributed Data Mining in e-Commerce*”, J. IETE Technical Review special issue on e-Commerce, vol. 17, no. 4, July-August, 2000, pp. 189-195.
2. **M. M. S. Beg**, N. Ahmad, “*Harnessing the Hyperlink Structure of the Web*”, J. IETE Technical Review special issue on IT-Enabled Services, vol. 18, no. 4, July-August, 2001, pp. 337-342.
3. **M. M. S. Beg**, “*From Content Based to Connectivity Based Search on the World Wide Web - A Journey Trail*”, Journal of Scientific and Industrial Research, vol. 61, September 2002, pp. 667-679.
4. **M. M. S. Beg**, N. Ahmad, “*Soft Computing Techniques for Rank Aggregation on the World Wide Web*”, World Wide Web – An International Journal, Kluwer, vol. 6, issue 1, March 2003, pp. 5-22.
5. **M. M. S. Beg**, “*A Subjective Measure of Web Search Quality*,” International Journal of Information Sciences, Elsevier, vol. 169, no. 3-4, 2005, pp. 365-381.
6. **M. M. S. Beg**, “*User Feedback Based Enhancement in Web Search Quality*,” International Journal of Information Sciences, Elsevier, vol. 170, no. 2-4, 2005, pp. 153-172.
7. **M. M. S. Beg**, N. Ahmad, “*Modified Rank Coefficient for Subjective Measurement of Web Search Quality*,” International Journal of Lateral Computing, vol. 1, no. 1, May 2005, pp. 31-36.
8. R. Ali, **M. M. S. Beg**, “*A Framework for Evaluating Web Search Systems*,” WSEAS Transactions on Systems, vol. 6, issue 2, Feb. 2007 (ISSN 1109-2777), pp. 257-264.
9. R. Ali, **M. M. S. Beg**, “*Aggregating Subjective Measure of Web Search Quality with Boolean Similarity Measures*,” Journal of Computer Science, ICFAI University Press, vol. 1, no. 1, July 2007, pp. 25-40.
10. **M. M. S. Beg**, N. Ahmad, “*Web Search Enhancement by Mining User Actions*,” International Journal of Information Sciences, Elsevier, vol. 177, Issue 23, December 2007, pp. 5203-5218.
11. R. Ali, **M. M. S. Beg**, “*User feedback based Metasearching using Rough Set Theory*,” International Journal of Fuzzy Systems and Rough Systems (IJFSRS), volume 1, issue 2, 2008, pp. 45-56.
12. B. Garg, **M. M. S. Beg**, A. Q. Ansari, “*Scheme of Neural Network for Time Series Analysis*,” Journal of Computer Science and Information Technology, Institute of Technology and Management, vol. 7, No. 1, (ISSN: 0973-4872), July-Dec. 2008, pp. 5-9.

13. B. Garg, **M. M. S. Beg**, A. Q. Ansari, “*Optimizing Number of Inputs to Classify Breast Cancer Using Artificial Neural Network*,” International Journal of Computer Science and Systems Biology, OMICS Publishing Group, vol. 2, No. 4, (ISSN: 0974–7230), August 2009, pp. 247-254.
14. R. Ali, **M. M. S. Beg**, “*A Comparative Study of Rough Set and Fuzzy Set based Rank Aggregation Techniques for the Web*,” International Journal of Information Processing (IJIP), ISSN 0973 – 8215, volume 3, number 1, 2009, pp. 78-91.
15. **M. M. S. Beg**, “*Guest Editorial – Life with Fuzzy Logic and its Father*,” CSI Communication’s Special Issue on Fuzzy Computing, ISSN 0970–647X, volume 34, number 8, November 2010, pp. 4-5.
16. B. M. Imran, **M. M. S. Beg**, “*Elements of Sketching with Words*,” International Journal of Granular Computing, Rough Sets and Intelligent Systems (IJGCRSIS), Inderscience Publishers, ISSN (Online): 1757-2711 - ISSN (Print): 1757-2703, vol. 2, no.2, 2011, pp. 166 – 178.
17. R. Ali, **M. M. S. Beg**, “*An Overview of Web Search Evaluation Methods*,” Computers and Electrical Engineering – An International Journal, Elsevier, ISSN: 0045-7906, vol. 37, no. 6, November 2011, pp. 835-848.
18. P. M. Khan, **M. M. S. Beg**, “*Kicking Off Risk Management for Software Projects*” International Journal of Software Engineering and Computing (IJSEC), vol. 3, no. 2, July-December 2011, International Science Press, ISSN: 2229-7413, pp. 95 – 99.
19. Rashid Ali, Anjali Saxena and Richa Gupta, **M. M. S. Beg**, “*Myriad – A Novel User Feedback Based Metasearch Engine*,” Advanced Materials Research – An International Journal, Trans. Tech. Publications, Switzerland, ISSN: 1022-6680, vol. 433 – 440, 2012, pp. 7554-7562.
20. V. Sharma, **M. M. S. Beg**, “*A Probabilistic Approach to Apriori Algorithm*,” International Journal of Granular Computing, Rough Sets and Intelligent Systems (IJGCRSIS), Inderscience Publishers, ISSN (Online): 1757-2711 - ISSN (Print): 1757-2703, vol. 2, no. 3, 2012, pp. 225-243.
21. P. M. Khan, **M. M. S. Beg**, “*Measuring Cost of Quality (CoQ) - on SDLC Projects is Indispensable for Effective Software Quality Assurance*”, International Journal of Soft Computing and Software Engineering (JSCSE), e-ISSN: 2251-7545, vol. 2, no. 9, 2012, pp. 1-15.
22. G. Ahamad, S. K. Naqvi , **M. M. S. Beg**, “*A Model for Talent Identification in Cricket Based on OWA Operator*,” International Journal of Information Technology & Management Information System (IJITMIS), ISSN 0976 – 6405, vol. 4, no. 2, May - August 2013, pp. 40-55.
23. P. M. Khan, **M. M. S. Beg**, “*Application of Sizing Estimation Techniques for Business Critical Software Project Management*”, International Journal of Soft Computing and Software Engineering (IJSCSE), ISSN: 2251-7545, vol. 3, no. 6, 2013, pp. 19-38.
24. P. M. Khan, **M. M. S. Beg**, M. Ahmad, “*Sustaining IT PMOs during Cycles of Global Recession*”, European Journal of Scientific Research, ISSN 1450-216X / 1450-202X, vol. 114, no. 2, November 2013, pp.376-385.
25. A. Rahman, **M. M. S. Beg**, “*Estimation of f-validity of Geometrical Objects with OWA Operator Weights*”, International Journal of Information Technology, Springer, ISSN 0973-5658, vol. 6, no. 1, January 2014, pp. 655-663.
26. U. A. Khan, P. M. Khan, R. F. AlCattan, **M. M. S. Beg**, “*Technology Roadmap: A Strategic Business Tool*”, MAGNT Research Report (ISSN. 1444-8939), vol. 2, no. 4, July 2014, pp. 304-308.

27. **M. M. S. Beg**, “*Zakhaair-e-Malumaat - Internet*”, *Fikro-Nazar* - an Urdu Journal, A.M.U. Press, ISSN 2347-3401, vol. 51, no. 3, September 2014, pp. 39-43.
28. A. Aslam, E. Khan, **M. M. S. Beg**, “*Enhancement of Fuzzy Rank Aggregation Technique*”, *Procedia Computer Science Journal*, Elsevier, vol. 58, 2015, pp. 430-437.
29. S. Zafar, M. K. Soni, **M. M. S. Beg**, “*An Optimized Genetic Stowed Biometric Approach to Potent QOS in MANET*”, *Procedia Computer Science Journal*, Elsevier, vol. 62, 2015, pp. 410-418.
30. G. Ahamad, K. Naqvi, **M. M. S. Beg**, T. Ahmed, “*A Web based System for Cricket Talent Identification, Enhancement and Selection (C-TIES)*”, *Procedia Computer Science Journal*, Elsevier, vol. 62, 2015, pp. 134-142.
31. A. Rahman, T. Ahmed, **M. M. S. Beg**, “*Ranking of Fuzzy Similar Faces Using Relevance Matrix and Aggregation Operators*”, *Procedia Computer Science Journal*, Elsevier, vol. 62, 2015, pp. 84-91.
32. A. Rahman, **M. M. S. Beg**, “*Face Sketch Recognition Using Sketching With Words*”, *International Journal of Machine Learning and Cybernetics*, Springer, vol. 6, no. 4, 2015, pp. 597-605.
33. G. Ahamad, S. K. Naqvi, **M. M. S. Beg**, “*An OWA based Model for Talent Enhancement in Cricket*,” *International Journal of Intelligent Systems*, Wiley, ISSN 1098 – 111X, vol. 31, Issue 8, August 2016, pp. 763-785.
34. M. M. Hussain, M. S. Alam, **M. M. S. Beg**, “*Plug-in Electric Vehicle to Cloud Data Analytics for Charging Management*”, *International Journal of Engineering and Technology*, 2017, (Scopus).
35. M. Saqib, M. M. Hussain, M. S. Alam, **M. M. S. Beg**, A. Sawant, “*Smart Electric Vehicle Charging Through Cloud Monitoring and Management*”, *Technology and Economics of Smart Grids and Sustainable Energy – An International Journal*, vol. 2, no. 18, December 2017 (<https://doi.org/10.1007/s40866-017-0035-4>).
36. M. Ahmad, M. N. Doja, **M. M. S. Beg**, “*Cryptanalysis and Improvement of an Image Encryption Scheme Using Fourier Series*”, *3D Research – An International Journal*, Springer, vol. 40, no. 8, December 2017, pp. 1-11 Online ISSN 2092-6731, (<https://link.springer.com/article/10.1007/s13319-017-0150-y>).
37. L. M. Goyal, **M. M. S. Beg**, T. Ahmad, “*An Efficient Framework for Mining Association Rules in the Distributed Databases*”, *The Computer Journal*, Oxford University Press, vol. 61, issue 5, May 2018, pp. 645–657.
38. M. Ahmad, M. N. Doja, **M. M. S. Beg**, “*Security Analysis and Enhancements of an Image Cryptosystem Based on Hyperchaotic System*”, *Journal of King Saud University - Computer and Information Sciences*, Elsevier (In press).
39. A. Rahman, **M. M. S. Beg**, “*Face Sketch Recognition- An Application of Z-Numbers*”, *International Journal of Information Technology*, Springer (In press).
40. M. Ahmad, M. N. Doja, **M. M. S. Beg**, “*ABC Optimization Based Construction of Strong Substitution-Boxes*”, *Wireless Personal Communications – An International Journal*, Springer (In press).
41. W. Ahmad, T. Ahmad, **M. M. S. Beg**, “*Entropy Based Feature Selection for Fuzzy Set-Valued Information Systems*”, *3D Research – An International Journal*, Springer (Accepted).
42. M. M. Hussain, M. S. Alam, **M. M. S. Beg**, “*Fog Computing for Next Generation Transport- a Battery Swapping System Case Study*”, *Technology and Economics of Smart Grids and Sustainable Energy – An International Journal*, vol. 3, no. 6, December 2018 (<https://doi.org/10.1007/s40866-018-0043-z>).

43. A. A. Alzaidi, M. Ahmad, M. N. Doja, E. Al Solami, **M. M. S. Beg**, “*A New 1D Chaotic Map and Beta-Hill Climbing for Generating Substitution-Boxes*”, IEEE Access, December 2018, vol. 6, no. 1, December 2018, pp. 1-14, Print ISSN: 2169-3536, Online ISSN: 2169-3536, Digital Object Identifier: 10.1109/ACCESS.2018.2871557.
44. M. Ahmad, E. Al Solami, Xing-Yuan Wang, M. N. Doja, **M. M. S. Beg**, A. A. Alzaidi, “*Cryptanalysis of an Image Encryption Algorithm Based on Combined Chaos for a BAN System and Improved Scheme using SHA-512 and Hyperchaos*”, Symmetry – An International Journal, vol. 10, no. 7, July 2018.
45. E. Al Solami, M. Ahmad, C. Volos, M. N. Doja, **M. M. S. Beg**, “*A New Hyperchaotic System Based Design for Efficient Bijective Substitution-Boxes*”, Entropy – An International Journal, vol. 20, no. 7, July 2018.
46. M. Z. Ansari, **M. M. S. Beg**, “*Improved Fuzzy Rank Aggregation*”, International Journal of Rough Sets and Data Analysis (IJRSDA), vol. 5, no. 4, 2018, ISSN: 2334-4598, EISSN: 2334-4601, doi:10.4018/IJRSDA.2018100105, pp. 74-87.
47. N. Akhtar, **M. M. S. Beg**, “*User Graph Topic Model*”, Journal of Intelligent & Fuzzy Systems, iOS Press, vol. 36, no. 3, pp. 2229-2240, March 2019.
48. S. Wazir, **M. M. S. Beg**, T. Ahmad, “*Comprehensive Mining of Frequent Itemsets for a Combination of Certain and Uncertain Databases*”, International Journal of Information Technology, Springer, ISSN 0973-5658, Springer (Accepted).
49. W. Ahmad, T. Ahmad, **M. M. S. Beg**, “*A Fuzzy Rough Set based Fitting Model for Fuzzy Set-Valued Information System*”, International Journal of Information Technology, Springer, ISSN 0973-5658, Springer (Accepted).

International Conference Papers:

1. **M. M. S. Beg**, C. P. Ravikumar, “*Measuring the Quality of Web Search Results*”, Proc. 6th International Conference on Computer Science and Informatics - a track at the 6th Joint Conference on Information Sciences (JCIS 2002), March 8-13, 2002, Durham, NC, USA, pp. 324-328.
2. **M. M. S. Beg**, N. Ahmad, “*Web Search by Feedback Learning*”, Proc. 6th International Conference on Computer Science and Informatics - a track at the 6th Joint Conference on Information Sciences (JCIS 2002), March 8-13, 2002, Durham, NC, USA, pp. 334-338.
3. **M. M. S. Beg**, N. Ahmad, “*Genetic Algorithm Based Rank Aggregation for the Web*”, Proc. 6th International Conference on Computer Science and Informatics - a track at the 6th Joint Conference on Information Sciences (JCIS 2002), March 8-13, 2002, Durham, NC, USA, pp. 329-333.
4. N. Ahmad, **M. M. S. Beg**, “*Fuzzy Logic Based Rank Aggregation Methods for the World Wide Web*”, Proc. International Conference on Artificial Intelligence in Engineering and Technology (ICAIET 2002), Malaysia, June 17-18, 2002, pp. 363-368.
5. **M. M. S. Beg**, N. Ahmad, “*Web Searching Personalized*,” Proc Twelfth International Conference on Applications of Neural Networks in Engineering - Smart Engineering System Design using Neural Networks, Fuzzy Logic, Evolutionary Programming, Data Mining and Artificial Life (ANNIE 2002), St. Louis, USA. November 10-13, 2002, pp. 1025-1032.
6. **M. M. S. Beg**, N. Ahmad, “*An Improved Method of Measuring the Quality of Web Search Results*,” Proc. International Conference on Fuzzy Systems and Knowledge Discovery (FSKD'02), Singapore, November 18-22, 2002, pp. 423-427.
7. **M. M. S. Beg**, “*Novel Fuzzy Queries for Searching the World Wide Web*,” Proc. International Conference on High Performance Computing (HiPC 2002) Workshop on Soft Computing (WOSCO 2002), Bangalore, December 18-21, 2002.

8. N. Ahmad, **M. M. S. Beg**, " *Improved Methods for Rank Aggregation on the World Wide Web*," Proc. International Conference on Knowledge Based Computer Systems (KBCS 2002), Mumbai, India, December 19-21, 2002, pp. 193-202.
9. **M. M. S. Beg**, N. Ahmad, " *Improved Shimura technique for Rank Aggregation on the World Wide Web*," Proc. 5th International Conference on Information Technology (CIT 2002), Bhubaneswar, India, December, 21-24, 2002.
10. **M. M. S. Beg**, " *Parallel Rank Aggregation for the World Wide Web*," Proc. International Conference on Intelligent Sensing and Information Processing (ICISIP – 2004), Chennai, India, January 4-7, 2004, IEEE Press, pp. 385-390.
11. **M. M. S. Beg**, N. Ahmad, " *Modified Rank Coefficient for Subjective Measurement of Web Search Quality*," First World Congress on Lateral Computing (WCLC 2004), Dec. 17-19, 2004, Bangalore, India (**Bagged the Best Paper Award**).
12. **M. M. S. Beg**, R. Ali, " *A Subjective cum Objective Measure of Web Search Quality*," 2nd International Conference on Intelligent Sensing and Information Processing, (ICISIP-2005), Jan. 4-7, 2005, Chennai, India, IEEE Press, pp. 365-370.
13. R. Ali, **M. M. S. Beg**, " *Aggregating Subjective Measure of Web Search Quality with Boolean Similarity Measures*," Second World Congress on Lateral Computing (WCLC 2005), Dec. 16-18, 2005, Bangalore, India.
14. R. Ali, **M. M. S. Beg**, " *Aggregating Web Search Quality Measures using Modified Shimura Technique*," Proc. 4th WSEAS International Conference on Information Security, Communications and Computers (ISCOCO 2005), Dec. 16-18, 2005, Tenerife, Spain, pp. 429-452.
15. R. Ali, **M. M. S. Beg**, " *Aggregating Subjective Measure of Web Search Quality with PageRank*", the 2006 International Conference on Information and Knowledge Engineering (IKE'06) - a track at the 2006 World Congress on Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'06), June 26-29, 2006, Las Vegas, USA, pp. 167-173.
16. R. Ali, **M. M. S. Beg**, " *A Comprehensive Model for Web Search Evaluation*", 5th WSEAS International Conference on Circuits, Systems, Electronics, Control & Signal Processing (CSECS '06), Nov. 1 – 3, 2006, Dallas, USA, pp. 159-164.
17. R. Ali, **M. M. S. Beg**, " *Aggregating Subjective and Objective Measures of Web Search Quality using Modified Shimura Technique*", Proc. 9th IEEE International Conference on Information Technology (ICIT 2006), Dec. 18 – 21, 2006, Bhubaneshwar, India, IEEE Press, pp. 231-234.
18. R. Ali, **M. M. S. Beg**, " *Aggregating Content and Connectivity based Techniques for the Measurement of Web Search Quality*", Proc. 14th International Conference on Advance Computing and Communication (ADCOM 2006), Dec. 20 – 23, 2006, NIT Surathkal, India, IEEE Press, pp. 44-49.
19. Z. Qin, M. Thint, **M. M. S. Beg**, " *Deduction Engine Design for PNL-based Question Answering System*," Proc. 12th International Fuzzy Systems Association World Congress (IFSA 2007), Cancun, Mexico, June 18-21, 2007, pp. 253-262.
20. M. Thint, **M. M. S. Beg**, Z. Qin, " *Precisiating Natural Language for a Question Answering System*", Proc. 11th World Multiconference on Systemics, Cybernetics and Informatics (WMSCI 2007), Orlando, USA, July 8-11, 2007, pp. 165-170.
21. **M. M. S. Beg**, M. Thint, Z. Qin, " *PNL-Enhanced Restricted Domain Question Answering System*", Proc. 2007 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2007), Imperial College, London, UK, July 23-26, 2007, pp. 1277-1283.

22. H. Farheen, **M. M. S. Beg**, “*Query Expansion using Parallel Search and Learn Technique*”, 5th Annual Conference on Information Science Technology and Management (CISTM 2007), Hyderabad, India, July 16-18, 2007, pp. 33-1 to 33-16.
23. R. Ali, **M. M. S. Beg**, “*Rough Set Based Rank Aggregation for the Web*”, 3rd Indian International Conference on Artificial Intelligence (IICAI-07), Pune, India, December 17-19, 2007, pp. 683-698.
24. R. Ali, **M. M. S. Beg**, “*A Learning Algorithm for Metasearching using Rough Set Theory*”, 10th International Conference on Computer and Information Technology (ICCIT 2007), Dhaka, Bangladesh, December 27-29, 2007, pp. 361-366.
25. R. Ali, **M. M. S. Beg**, “*User Feedback Based Metasearching Using Rough Set Theory*”, Proc. 2008 International Conference on Information and Knowledge Engineering (IKE'08) - a track at the 2008 World Congress in Computer Science, Computer Engineering and Applied Computing (WORLDCOMP'08), Las Vegas, USA, July 14-17, 2008, pp. 489-495.
26. N. Gangal, **M. M. S. Beg**, “*Finding the Interesting Rules First*”, Proc. 2008 International Conference on Data Mining (DMIN'08) - a track at the 2008 World Congress in Computer Science, Computer Engineering and Applied Computing (WORLDCOMP'08), Las Vegas, USA, July 14-17, 2008, pp. 689-694.
27. R. Ali, **M. M. S. Beg**, “*Automatic Performance Evaluation of Web Search Systems using Rough Set Based Rank Aggregation*”, Proc. IEEE Workshop on Recent Trends in Human Computer Interaction, IIIT Allahabad, January 19-21, 2009, Springer, ISBN No. 978-81-8489-203-1, pp. 344-358.
28. B. M. Imran, **M. M. S. Beg**, “*Image Retrieval by Mechanization and f-Principle*”, Proc. Second International Conference on Data Management (ICDM2009), February 10-11, 2009, IMT Ghaziabad, India, McMillan Advanced Research Series, ISBN 023-063-762-0, pp. 157-165.
29. R. Ali, **M. M. S. Beg**, “*Modified Rough Set Based Aggregation for Effective Evaluation of Web Search Systems*”, Proc. 28th North American Fuzzy Information Processing Society Annual Conference (NAFIPS 2009), University of Cincinnati, Ohio, USA, June 14-17, 2009, IEEE Press (978-1-4244-4577-6/09/\$25.00 ©2009 IEEE).
30. B. Garg, **M. M. S. Beg**, A. Q. Ansari, B. M. Imran, “*Inferential Historical Survey of Time Series Prediction using Artificial Neural Network*,” Proc. 3rd International Conference on Data Management, Ghaziabad, India, March 11-12, 2010, pp. 158-172.
31. B. M. Imran, **M. M. S. Beg**, “*Element of Sketching with Words*”, 2010 IEEE International Conference on Granular Computing (GrC 2010), Silicon Valley, USA, August 14-16, 2010, IEEE Computer Society Press, pp. 241-246.
32. V. Sharma, **M. M. S. Beg**, “*A Probabilistic Approach to Apriori Algorithm*”, IEEE International Conference on Granular Computing (GrC 2010), Silicon Valley, USA, August 14-16, 2010, IEEE Computer Society Press, pp. 402-408.
33. B. M. Imran, **M. M. S. Beg**, “*Automation of PNL-based f-Image Retrieval System*”, Proc. International Conference on Computational Vision and Robotics (ICCV 2010), August 21-22, 2010, Bhubaneswar, India, pp. 291-298.
34. B. Garg, **M. M. S. Beg**, A. Q. Ansari, B. M. Imran, “*Fuzzy Time Series Prediction Model*,” 5th International Conference on Information Systems, Technology and Management (ICISTM-2011), Gurgaon, India, March 10-12, 2011, pp. 126-137.
35. B. Garg, **M. M. S. Beg**, A. Q. Ansari, B. M. Imran, “*Soft Computing Model to Predict Average Length of Stay of Patient*,” 5th International Conference on Information Systems, Technology and Management (ICISTM-2011), Gurgaon, India, March 10-12, 2011, pp. 221-232.

36. Rashid Ali, Anjali Saxena and Richa Gupta, **M. M. S. Beg**, “*Myriad- a Novel User Feedback Based Metasearch Engine*,” Proc. 2011 International Conference on Control, Robotics and Cybernetics (ICCRC 2011), New Delhi, India, March 19-20, 2011, IEEE Press, IEEE Catalog Number: CFP1176M-PRT, ISBN: 978-1-4244-9709-6, pp. (v1) 163-167.
37. B. Garg, **M. M. S. Beg**, A. Q. Ansari, “*Employing OWA to Optimize Fuzzy Predictor*,” World Conference on Soft Computing (WConSC 2011), San Francisco State University, USA, May 23-26, 2011.
38. B. Garg, **M. M. S. Beg**, A. Q. Ansari, “*OWA based Fuzzy Time Series Forecasting Model*,” World Conference on Soft Computing (WConSC 2011), San Francisco State University, USA, May 23-26, 2011.
39. B. M. Imran, **M. M. S. Beg**, “*Towards Computational Forensics with f-geometry*,” World Conference on Soft Computing (WConSC 2011), San Francisco State University, USA, May 23-26, 2011.
40. B. Garg, **M. M. S. Beg**, A. Q. Ansari, “*Enhanced Accuracy of Fuzzy Time Series Predictor using Genetic Algorithm*,” Proc. Third World Congress on Nature and Biologically Inspired Computing (NaBIC2011), University of Salamanca, Spain, October 19-21, 2011, IEEE Press (978-1-4577-1123-7/11/\$26.00), pp. 280-285.
41. B. Garg, **M. M. S. Beg**, A. Q. Ansari, “*Employing Genetic Algorithm to Optimize OWA-Fuzzy Forecasting Model*,” Proc. Third World Congress on Nature and Biologically Inspired Computing (NaBIC2011), University of Salamanca, Spain, October 19-21, 2011, IEEE Press (978-1-4577-1123-7/11/\$26.00), pp. 292-297.
42. B. M. Imran, **M. M. S. Beg**, “*Fuzzy Identification of Geometric Shapes*”, Proc. (Part III) Second International Conference on Computer Science and Information Technology (CCSIT- 2012), Bangalore, India, January 2-4, 2012, Springer, ISBN: 978-3-642-27316-2, pp. 269-279.
43. B. M. Imran, **M. M. S. Beg**, “*Towards Perception based Image Retrieval*”, Proc. (Part III) Second International Conference on Computer Science and Information Technology (CCSIT- 2012), Bangalore, India, January 2-4, 2012, Springer, ISBN: 978-3-642-27316-2, pp. 280-289.
44. B. M. Imran, **M. M. S. Beg**, “*Estimation of f-Similarity in f-Triangles using FIS*”, Proc. (Part III) Second International Conference on Computer Science and Information Technology (CCSIT- 2012), Bangalore, India, January 2-4, 2012, Springer, ISBN: 978-3-642-27316-2, pp. 290-299.
45. P. M. Khan, **M. M. S. Beg**, “*Project Management Office (PMO): An Organizational Asset for Value Propositions in Software Development Projects*”, Proc. International Conference on Emerging Trends in Engineering and Technology, Moradabad, India, April 6-7, 2012, ISBN 978-93-8137804-5.
46. B. Garg, **M. M. S. Beg**, A. Q. Ansari, “*A New Computational Fuzzy Time Series Model to Forecast Number of Outpatient Visits*,” Proc. 31st Annual Conference of the North American Fuzzy Information Processing Society (NAFIPS 2012), University of California at Berkeley, USA, August 6-8, 2012.
47. P. M. Khan, **M. M. S. Beg**, “*Decision Support Matrix for Selection of Life Cycle Model on SDLC-Projects*”, Proc. 6th International Conference on Advanced Computing & Communication Technologies (ICACCT-2012), Panipat, India, November 3, 2012, ISBN: 9789382062677, pp. 81-87.
48. P. M. Khan, **M. M. S. Beg**, “*Extended Decision Support Matrix for Selection of SDLC-Models on Traditional and Agile Software Development Projects*”, Proc. 3rd International

- Conference on Advanced Computing and Communication Technologies (ACCT 2013), Rohtak, India, April 6-7, 2013, ISBN: 978-1-4673-5965-8, pp. 8-15.
49. A. Rahman, **M. M. S. Beg**, “*Estimation of f -validity of Geometrical Objects with OWA Operator Weights*”, Proc. 2013 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2013), Hyderabad, India, July 7-10, 2013.
 50. B. Garg, **M. M. S. Beg**, A. Q. Ansari, “*Fuzzy Time Series Model to Forecast Rice Production*”, Proc. 2013 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2013), Hyderabad, India, July 7-10, 2013.
 51. A. Rahman, **M. M. S. Beg**, “*Investigation of Ordered Weighted Averaging Weights for Estimating Fuzzy Validity of Geometric Shapes*”, Proc. Third Annual World Conference on Soft Computing, San Antonio, Texas, USA, December 16-18, 2013, pp. 15-24.
 52. G. Ahamad, S. K. Naqvi, **M. M. S. Beg**, “*OWA Based Model for Talent Selection in Cricket*”, Proc. Third Annual World Conference on Soft Computing, San Antonio, Texas, USA, December 16-18, 2013, pp. 229-239.
 53. L. M. Goyal, **M. M. S. Beg**, “*An Efficient Filtration Approach for Mining Association Rules*”, Proc. 8th International Conference on Computing for Sustainable Global Development (INDIACom-2014), New Delhi, India, March 5-7, 2014, pp. 205-212.
 54. L. M. Goyal, **M. M. S. Beg**, “*Improved Filtration Step for Mining Association Rules*”, International Conference on Data Mining and Intelligent Computing(ICDMIC-2014), Delhi, India, September 5-6, 2014.
 55. S. Zafar, M. K. Soni, **M. M. S. Beg**, “*Sustaining Security through Neoteric Wavelet Quartered Evocation Algorithm for Crypt-Biometric Perception*”, International Conference on Data Mining and Intelligent Computing(ICDMIC-2014), Delhi, India, September 5-6, 2014.
 56. A. Rahman, **M. M. S. Beg**, “*Towards Aggregation in Fuzzy Object*”, 5th International Conference on Computer and Communication Technology (ICCCT 2014), MNNIT Allahabad, India, September 26-28, 2014, pp. 373-380.
 57. H. Haleem, P. K. Sharma, **M. M. S. Beg**, “*Novel Frequent Sequential Patterns based Probabilistic Model for Effective Classification of Web Documents*”, 5th International Conference on Computer and Communication Technology (ICCCT 2014), MNNIT Allahabad, India, September 26-28, 2014, pp. 361-372.
 58. L. M. Goyal, **M. M. S. Beg**, “*Evaluation of Filtration and Pruning Approach for Apriori Algorithm*”, 5th International Conference on Computer and Communication Technology (ICCCT 2014), MNNIT Allahabad, India, September 26-28, 2014, pp. 23-28.
 59. S. Zafar, M. K. Soni, **M. M. S. Beg**, “*An Optimized Genetic Stowed Biometric Approach to Potent QOS in MANET*”, Proc. 2015 International Conference on Soft Computing and Software Engineering (SCSE 2015), University of California at Berkeley, USA, March 5-6, 2015.
 60. G. Ahamad, K. Naqvi, **M. M. S. Beg**, T. Ahmed, “*A Web based System for Cricket Talent Identification, Enhancement and Selection (C-TIES)*”, Proc. 2015 International Conference on Soft Computing and Software Engineering (SCSE 2015), University of California at Berkeley, USA, March 5-6, 2015.
 61. A. Rahman, T. Ahmed, **M. M. S. Beg**, “*Ranking of Fuzzy Similar Faces Using Relevance Matrix and Aggregation Operators*”, Proc. 2015 International Conference on Soft Computing and Software Engineering (SCSE 2015), University of California at Berkeley, USA, March 5-6, 2015.
 62. M. Z. Ansari, **M. M. S. Beg**, M. Kumar, “*Enhancement of Fuzzy Rank Aggregation Technique*”, Proc. Second International Conference on Computer and Communication

- Technologies, CMR Technical Campus, Hyderabad, India, July 24-26, 2015, Springer, ISBN: 978-81-322-2525-6, pp. 1-9.
63. A. Aslam, E. Khan, **M. M. S. Beg**, “*Image Segmentation using Fuzzy Multi Criteria Decision Making*”, Proc. 2nd International Symposium on Computer Vision and the Internet (VisionNet'15), Co-located with 4th International Conference on Advances in Computing, Communication and Informatics (ICACCI-2015), Kochi, India, August 10-13, 2015, Elsevier, pp. 430-437.
 64. S. A. Rahman, M. M. S. Beg, “*A Novel Approach of Aspect Ranking Based on Intrinsic and Extrinsic Domain Relevance*”, Proc. 9th International Conference on Advanced Computing and Communication Technologies (ICACCT 2015), ISBN 978-981-10-1021-7, Panipat, India, November 27-29, 2015, pp. 485-492.
 65. I. Abidi, O. Farooq, **M. M. S. Beg**, “*Sweet and Sour Taste Classification using EEG based Brain Computer Interface*”, Proc. 12th IEEE India International Conference (INDICON-2015), Delhi, India, Dec. 17-20 2015, appeared in IEEEXplore.
 66. A. Aslam, E. Khan and **M. M. S. Beg**, “*Multi-Threading based Implementation of Ant-Colony Optimization Algorithm for Image Detection*”, Proc. 12th IEEE India International Conference (INDICON-2015), Delhi, India, Dec. 17-20 2015, appeared in IEEEXplore.
 67. S. Zafar, M. K. Soni, **M. M. S. Beg**, “*A Novel Crypt-Iris Based Authentication Approach*”, Proc. 12th IEEE India International Conference (INDICON-2015), Delhi, India, Dec. 17-20 2015, appeared in IEEEXplore.
 68. S. A. Rahman, **M. M. S. Beg**, “*Aspect Ranking based on Domain Relevance: Its Analysis & Applications*”, 6th World Conference on Soft Computing (WConSC-2016), Berkeley, USA, May 22-25, 2016.
 69. S. Wazir, T. Ahmad, **M. M. S. Beg**, “*Frequent Itemset Mining for a Combination of Certain and Uncertain Databases*”, 6th World Conference on Soft Computing (WConSC-2016), Berkeley, USA, May 22-25, 2016.
 70. M. M. Hussain, M. Saqib, M. S. Alam, **M. M. S. Beg**, Amol Sawant, “*xEVs Charging Management through Cloud Computing*”, India Smart Grid Forum (ISGF), Manekshaw Center, Dhaula Kuan, New Delhi, India, March 7-10, 2017 (**selected among top-20 papers in Technical track**).
 71. W. Ahmad, T. Ahmad, **M. M. S. Beg**, “*Attribute Reduction for Fuzzy Set Valued Information Systems*”, Proc. 21st World Multiconference on Systemics, Cybernetics and Informatics (WMSCI 2017), Orlando, USA, July 8-11, 2017, vol. 1, pp.115-119.
 72. S. Wazir, **M. M. S. Beg**, T. Ahmad, “*Mining the Frequent Itemsets for a Database with Certain and Uncertain Transactions*”, Proc. 21st World Multiconference on Systemics, Cybernetics and Informatics (WMSCI 2017), Orlando, USA, July 8-11, 2017, vol. 1, pp.136-141.
 73. S. Wazir, **M. M. S. Beg**, T. Ahmad, “*Frequent Itemset Mining on Uncertain Databases Using OWA Operator*”, Proc. 2nd International Conference on Communication, Computing and Networking (ICCCN-2018), NITTTR Chandigarh, India, March 29-30, 2018, Springer.
 74. M. M. Hussain, S. A. Rahman, **M. M. S. Beg**, R. Ali, “*Fuzzy Rank Aggregation for Non-Transitive Rankings-An Institute Recommendation System Case Study*”, Proc. 17th IEEE International Conference on Cognitive Informatics & Cognitive Computing (ICCI*CC 2018), University of California, Berkeley, USA, July 16-18, 2018, pp. 358-365.
 75. M. Ahmad, M. N. Doja, **M. M. S. Beg**, “*A New Chaotic Map Based Secure and Efficient Pseudo-Random Bit Sequence Generation*”, Proc. Sixth International Symposium on Security in Computing and Communications (SSCC-2018), Bangalore, Sept. 19-22, 2018.

National Conference Papers:

1. **M. M. S. Beg**, A. Mahanta, R. Moona, "*Design of ADSP 2100–Based Multiprocessor Array*", Proc. Eighteenth National Systems Conference-94, Dyalbagh Educational Institute, Agra, Jan. 14-16, 1995, pp. 92-95 (bagged the **High Quality Presentation Award**).
2. **M. M. S. Beg**, O. Farooq, "*Simulator for Signal Processor ADSP 2100*", Proc. National Conference SDS-95, Anjuman Engineering College, Bhatkal, Nov. 28-30, 1995, pp. 198-201, (bagged the **High Quality Presentation Award**).
3. **M. M. S. Beg**, O. Farooq, "*Analog Computation Using Digital Computers*", Proc. XXXI Annual Convention of the Computer Society of India, Bangalore, Oct. 30-Nov.3, 1996, pp. 433-436.
4. M. Hasan, A. Hasan, **M. M. S. Beg**, "*PC-Based Text to Speech Converter*", Twentieth National Systems Conference-96, Thiruvanthapuram, Dec. 18-21, 1996.
5. **M. M. S. Beg**, M. F. Beg, M. I. Manzoor, S. A. Abbasi, "*Gate Array Design Using Vinyas-GX*", Proc. National Seminar on Recent Trends in the Design of Electronics and Other Engineering Systems (NSDES-97), organized by the Institution of Engineers at the Aligarh Muslim University, Nov. 29-30, 1997, pp. 213-217.
6. **M. M. S. Beg**, O. Farooq, "*Software Tool for Health Monitoring of Telephone Exchanges*", Proc. National Seminar on Recent Trends in the Design of Electronics and Other Engineering Systems (NSDES-97), organized by the Institution of Engineers at the Aligarh Muslim University, Nov. 29-30, 1997, pp. 303-306.
7. **M. M. S. Beg**, "*Realization of a PC-Based Telephone Answering and Recording Machine*", Proc. National Seminar on Recent Trends in the Design of Electronics and Other Engineering Systems (NSDES-97), organized by the Institution of Engineers at the Aligarh Muslim University, Nov. 29-30, 1997, pp. 307-312.
8. **M. M. S. Beg**, "*Assembly Language Embedded C-Code for Data Acquisition Systems*", National Symposium and Exposition on Modern Instrumentation Challenges and Visions, organized by the Institution of Electronics and Telecommunication Engineers (IETE) at the Department of Electronics Engineering, Aligarh Muslim University, Feb. 27-28, 1999.
9. **M. M. S. Beg**, C. P. Ravikumar, "*Distributed Resource Discovery from the Internet for e-Commerce Applications*", 43rd Annual Technical Convention (ATC-2000) of IETE, New Delhi, September 30 - October 1, 2000.
10. A. Srivastava, C. P. Ravikumar, **M. M. S. Beg**, "*Enhanced Similarity Measure for Client-Directory-Server Model*", Proc. Seventh National Conference on Communication (NCC-2001), IIT Kanpur, Jan. 26-28, 2001, pp.42-46.
11. **M. M. S. Beg**, "*Integrating the Notion of Hubs and Authorities into that of PageRank for the Web*", Proc. 25th National Systems Conference (NSC 2001), Coimbatore, Dec. 13-15, 2001, pp. 332-336.
12. **M. M. S. Beg**, "*Improved Meta-Search for the World Wide Web*", Proc. Eighth National Conference on Communication (NCC 2002), IIT Bombay, Jan. 25-27, 2002, pp. 135-139.
13. H. Farheen, **M. M. S. Beg**, "*Online Rank Aggregation*", National Conference on Modern Trends in Electronics and Communication Systems (MTECS-05), March 5-6, 2005, Aligarh, India, pp.174-179.
14. R. Ali, **M. M. S. Beg**, "*Vector Space Model for Web Search Evaluation*", National Conference on Modern Trends in Electronics and Communication Systems (MTECS-05), March 5-6, 2005, Aligarh, India, pp. 185-191.
15. S. A. Nahvi, H. Ashfaq, M. S. J. Asghar, **M. M. S. Beg**, "*Development of a Personal-Computer based Power-Electronic Controller for Induction Motors*", National

Conference on Power Electronics and Drives (PEDC '06), March 7-9, 2006, Karaikudi, India, pp. 146-149.

16. R. Ali, **M. M. S. Beg**, M. Q. Rafiq, "*Effectiveness of an Objective Technique for Automatic Performance Evaluation of Web Search Systems*", National Conference on Intelligent Computing Models (NCICM-2008), Feb. 22-23, 2008, Salem, India.

INVITED TALKS:

1. "*Research Methods in Information Processing*", Keynote Lecture at the National Workshop on Advances in Information Processing, GLA University, Mathura, India, April 8, 2018.
2. "*Performance Evaluation of Web Search Engines*", Keynote Lecture at the inaugural session of 4th IEEE International Conference on Computational Intelligence & Communication Technology (CICT 2018), Ghaziabad, India, Feb. 9, 2017.
3. "*Tools for Effective Research*", One Week Training Program on *Research Techniques in ICT*, Gautam Buddha University, Greater Noida, India, Feb. 1, 2017.
4. "*Fuzzy Logic Based Question Answering System*", Workshop on Big Data and Soft Computing Techniques, Department of Computer Engineering, A.M.U. Aligarh, October 6, 2016.
5. "*Outcome Based Education and Quality Assurance*", Workshop on Higher Technical Education, Z. H. College of Engineering and Technology, A.M.U. Aligarh, Sept. 24, 2016. (<https://www.youtube.com/watch?v=oWeg0FvrlXw>)
6. "*Application of Computers in Teaching and Learning*", Resource Person for the Refresher Course on "*Application of Computers*", Hasanath College for Women, Bangalore, Jan. 20, 2016.
7. "*Application of Computers in Research*", Resource Person for the Refresher Course on "*Application of Computers*", Hasanath College for Women, Bangalore, Jan. 21, 2016.
8. "*Web Searching*", Resource Person for the Orientation Course for the teachers, A.M.U. Aligarh, India, October 8, 2015.
9. "*Tools for Effective Research*", Resource Person for the Induction Course for the teachers of Engineering College, A.M.U. Aligarh, India, March 12, 2015.
10. "*Precisiating Natural Language for a Question Answering System*", Workshop on Emerging Trends in Information Retrieval, Mathura, India, September 27, 2014.
11. "*Soft Computing and Web Mining*", Keynote Address at the Inaugural Function of 5th IEEE International Conference on Computer and Communication Technology (ICCCT-2014), MNNIT, Allahabad, India, September 26, 2014.
12. "*Linear Algebra Applications on the World Wide Web*", International Conference on Recent Trends in Algebra and Analysis with Applications, Aligarh, India, February 12-14, 2014.
13. "*Soft Computing and Web Searching*", Seminar on Emerging Trends, Technology and Research, Northern India Engineering College, Delhi, India, October 9, 2013.
14. "*Fuzzy Logic and its Applications*", Keynote talk at the International Conference on Recent Trends in Computer Science and Information Technology, Al-Falah School of Engineering and Technology, Dhauj, India, April 18, 2013.
15. "*Soft Computing Applications in Web Mining*", JRE College of Engineering, Greater Noida, India, Feb. 16, 2013.
16. "*Natural Language Precisiating for a Web Based Question Answering System*", Keynote talk at the 9th International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness, Greater Noida, India, January 11–12, 2013.

17. “*Precisiating Natural Language for a Question Answering System*”, National Conference on Data Mining and Warehousing (NCDMW’12), Lingaya’s University, Faridabad, April 14, 2012.
18. “*Mining and Searching the Web*”, Taibah University, Madinah, K. S. A. Feb. 25, 2012.
19. “*Soft Computing and Web Searching*”, Umm Al-Qura University, Makkah Al Mukarramah, K. S. A., Feb. 20, 2012.
20. “*Automating a Question Answering System*”, 2nd Workshop on Multimedia & Applications (MMA-2012), AMU Aligarh, February 5, 2012.
21. “*Securing Web Search Engines from Spamming*”, Workshop on Network Security & Applications (NSA – 2011), AMU Aligarh, February 5, 2011.
22. “*Web Mining and Searching*”, Institute of Management Education, Ghaziabad, India, Feb. 4, 2009.
23. “*Web Mining*”, Integral University, Lucknow, India, Jan. 18, 2009.
24. “*Precisiated Natural Language (PNL) and Computing with Words*”, 5th National Conference on Advancement of Technologies, GLA Institute of Technology and Management, Mathura, India, January 24-25, 2009.
25. “*Optimization of Web Search Engines*”, National Conference on Computational Optimization and Applications for Real World, Hindustan Institute of Management and Computer Studies, Mathura, India, November 8, 2008.
26. “*Mining and Searching the Web*”, St. Stephen’s College, Delhi, India, October 21, 2008.
27. “*Multi-Criteria Decision Making*”, Integral University, Lucknow, India, March 29, 2008.
28. “*Measurement and Enhancement of Web Search Quality*”, Department of Electrical and Computer Engineering, Kind Abdul Aziz University, Jeddah, K.S.A., September 17, 2007.
29. “*Precisiated Natural Language for Computation with Perceptions*”, National Seminar on Artificial Intelligence (NSAI 2007), Hindustan College of Science and Technology, Mathura, India, April 28, 2007.
30. “*Web Searching*”, Resource Person at the Subject Refresher Course for University and College Teachers on the theme of “*Recent Trends in Information Technology*”, U.G.C. Academic Staff College, A. M. U., Aligarh, India, February 20, 2007.
31. “*PNL for a Questing Answering System*”, British Telecommunications’ Research Centre at Adastral Park, near Ipswich, UK, Nov. 22, 2006.
32. “*Information Extraction for a Q&A System*”, Berkeley Initiative in Soft Computing (BISC), EECS Department, Computer Science Division, University of California at Berkeley, USA, July 28, 2006.
33. “*Precisiating Natural Language*”, Berkeley Initiative in Soft Computing (BISC), EECS Department, Computer Science Division, University of California at Berkeley, USA, June 6, 2006.
34. “*Fuzzy Logic for Web Search Enhancement*”, Department of Computing Science, University of Glasgow, Scotland, UK, Jan. 20, 2006.
35. “*Web Search Enhancement by Mining User Actions*”, British Telecommunications’ Research Centre at Adastral Park, near Ipswich, UK, Jan. 16, 2006.
36. “*Soft Computing for Enhancing Web Search*”, Berkeley Initiative in Soft Computing (BISC), EECS Department, Computer Science Division, University of California at Berkeley, USA, Dec. 6, 2005.
37. “*Discrete Mathematical Structures*”, A series of lectures at Shivdan Singh Institute of Technology and Management, Aligarh, India, September-October, 2005.

38. “*Distributed Systems*”, A series of lectures at Shivdan Singh Institute of Technology and Management, Aligarh, India, March-April, 2005.
39. “*Internet Technology*”, Resource Person at the Refresher Course for University and College Teachers on the theme of “*Algebra and its Applications*”, U.G.C. Academic Staff College, A. M. U., Aligarh, India, September 20, 2004.
40. “*Performance Evaluation of Web Search Engines*”, Pre-Conference Tutorial at the ACM Joint International Conference on Measurement and Modeling of Computer Systems (Sponsored by ACM SIGMETRICS and IFIP Working Group 7.3), Columbia University, New York, June 13, 2004.
41. “*Mining User Actions for Enhancing Web Search*”, Department of Computer Science, Rensselaer Polytechnic Institute, Troy, NY, USA, June 10, 2004.
42. “*Internet Resource Discovery*”, Plexus (pvt) Limited (a subsidiary of Pak Kuwait Investment Company), Karachi, Pakistan, April 19, 2004.
43. “*Web Mining*”, Department of Computer Engineering, Sir Syed University of Engineering and Technology, Karachi, Pakistan, April 17, 2004.
44. “*High Performance Mining of Association Rules*”, Department of Computer Engineering, Sir Syed University of Engineering and Technology, Karachi, Pakistan, April 15, 2004.
45. “*Internet Information Services*”, Short Term Training Program on “Computer Networking Using Windows 2000”, Jamia Millia Islamia, New Delhi, India, Dec. 16-27, 2002.
46. “*Fuzzy Logic in Measurement and Enhancement of Web Search Quality*”, Berkeley Initiative in Soft Computing (BISC), EECS Department, Computer Science Division, University of California at Berkeley, USA, Nov. 14, 2002.
47. “*Web Search Techniques*”, Department of Computer Science, Jamia Hamdard, New Delhi, India, Sept. 13, 2002.

AWARDS AND ACHIEVEMENTS:

1. **Sir Syed Global Excellence Best Professor Award** on the basis of *International publications (Scopus indexed, IEEE etc.), grants received for the AMU, patents, involvement in international projects, innovation in Pedagogy, Co-curricular activities in and outside AMU & Additional positions held in AMU*, Dec. 22, 2018, Atlantis Hotel, Dubai, UAE.
2. **Award of Excellence** for an *Outstanding Contribution in the Field of Engineering and Technology, Cutting Edge Research and Innovation and Indelible Leadership Skills in Academic Administration*, jointly by ERD Foundation, Guwahati and University of Science and Technology, Meghalaya, September 29, 2018.
3. Bagged the **Best Paper Award** at the World Congress on Lateral Computing (WCLC 2004), Dec. 17-19, Bangalore, India.
4. **Twice bagged the High Quality Presentation Awards** for presenting research papers in national conferences.
5. Bagged the **Best Paper Award** for the paper “*Neuro-Computing : An Overview*” presented at the Seminar organized by the Students’ Chapter of the Institution of Engineers (India) at A. M. U. Aligarh on Feb. 25, 1992.
6. Awarded **University Gold Medal** for standing **First** at B.Sc. (Engg.) Examinations (all branches combined).
7. Awarded **Maulana Tufail Medal** for standing **First** at B.Sc. (Engg.) Examinations in Electronics and Communication.

8. Awarded **Lang Medal** for standing **First** (all streams combined) at S.S.C. (Class X) Examinations.
9. Ranked **Second** in S.S.S.C. (Class XII) Examinations (all streams combined).
10. Qualified for the **Indian Government Scholarship** for a total duration of 3 years and 3 months under the **Quality Improvement Program (QIP)** to pursue doctoral studies at IIT Delhi, India, starting from July 1999.
11. Qualified All India Graduate Aptitude Test in Engineering (**GATE-92**) with **96.96 percentile** in the year 1992.
12. Obtained a **TOEFL** score of **613/677** and a **TWE** score of **5.5/6** in tests taken on Dec. 12, 1997.
13. Won **several prizes** in national level debates and essay writing competitions (both in English and Urdu) during the student life.
14. Completed **Hifz** (the memorization by heart of the *Holy Quran*) at a tender age of less than eight years.

PROFESSIONAL ACTIVITIES:

1. **Chaired** a session on *Data Mining* at the 6th International Conference on Computer Science and Informatics - a track at the 6th Joint Conference on Information Sciences (JCIS 2002), March 8-13, 2002, Durham, NC, USA.
2. **Reviewed** manuscripts for *IEEE Transaction on Knowledge and Data Engineering*, *IEEE Transaction on Neural Networks* and *IEEE Internet Computing*, besides many conferences of repute.
3. **Member, Technical Program Committee**, First World Congress on Lateral-Computing (WCLC 2004), December 17-19, 2004, Bangalore, India.
4. **Member, Technical Program Committee**, Second World Congress on Lateral-Computing (WCLC 2005), December 17-19, 2005, Bangalore, India.
5. **Member, Scientific Committee**, 5th WSEAS International Conference on Circuits, Systems, Electronics, Control & Signal Processing, Miami, Florida, November 1-3, 2006.
6. **Co-Chair, BISC-SIG-FLINT-Q&A** (Berkeley Initiative in Soft Computing Special Interest Group on Fuzzy Logic and the Internet, Question and Answering).
7. **Chaired** a session on *Knowledge Representation, Acquisition, and Processing + Related Issues* at the 2006 International Conference on Information and Knowledge Engineering (IKE'06) - a track at the 2006 World Congress on Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'06), June 26-29, 2006, Las Vegas, USA.
8. **Member, Scientific Committee**, 5th WSEAS International Conference on Circuits, Systems, Electronics, Control & Signal Processing, Dallas, Texas, USA, November 1-3, 2006.
9. **Member, International Advisory Board**, International Conference on Information and Communication Technology in Electrical Sciences (ICTES 2007), Chennai, India, Dec. 20-22, 2007.

10. **Member, International Advisory Committee**, International Conference on Human Computer Interaction, Indian Institute of Information Technology, Allahabad, India, January 20-23, 2009.
11. **Program Committee Member**, International Conference on Computer and Communications (ICCC-2010), MNIT Allahabad, India, 2010.
12. **Guest Editor**, CSI Communication's Special Issue on Fuzzy Computing, ISSN 0970-647X, volume 34, number 8, November 2010.
13. **Program Committee Member**, International Conference on Computer and Communications (ICCC-2011), MNIT Allahabad, India, 2011.
14. **Program Committee Member**, International Conference on Computer and Communications (ICCC-2012), MNIT Allahabad, India, 2012.
15. **Program Committee Member**, 4th International Conference on Intelligent Human Computer Interaction 2012 (IHCI 2012), Indian Institute of Technology, Kharagpur, India, December 27 – 29, 2012.
16. **Advisory Committee Member**, International conference on Green Computing, Communication and Conservation of Energy (ICGCE-2013), Thiruvallur Dist, Tamil Nadu, India, December 12-14 2013.
17. **Program Committee Member**, International Conference on Multimedia Signal Processing and Communication Technologies, A. M. U. Aligarh, India, November 23 – 25, 2013.
18. **Chaired** a session on "*General Applications of Soft Computing II*" at the Third Annual World Conference on Soft Computing, San Antonio, Texas, USA, December 16-18, 2013.
19. **Guest Editor**, Special Issue on Fuzzy Logic, BVICAM's International Journal of Information Technology, ISSN 0973-5658, vol. 6, no. 1, January 2014.
20. **Member of Technical Advisory Board**, International Conference on Data Mining and Intelligent Computing (ICDMIC 2014), Delhi, September 5-6, 2014.
21. **Program Committee Member**, 5th IEEE International Conference on Computer and Communication Technology (ICCCT-2014), MNNIT, Allahabad, India, September 26-28, 2014.
22. **Program Committee Member**, 6th International Conference on Intelligent Human Computer Interaction (IHCI-2014), Evry, France, December 8 – 10, 2014.
23. **Program Committee Member**, 8th International Conference on Intelligent Human Computer Interactions (IHCI-2016), Pilani, India, December 12-13, 2016.
24. **Member**, Academic Council, Islamic University of Science and Technology, Awantipura, J&K, India.

Ph.D. THESIS SUPERVISION:

1. *Performance Evaluation of Web Search Systems* (Awarded to Dr. Rashid Ali in January 2010).
2. *Image Retrieval Using Extended Fuzzy Logic* (Awarded to Dr. B. M. Imran in May 2012).
3. *Investigation of Soft Computing Techniques for Time Series Analysis* (Awarded to Dr. Bindu Garg in December 2012).

4. *Application of Sizing Estimation Techniques for Business Critical Software Project Management* (Awarded to Dr. P. M. Khan in April 2013).
5. *Enhanced Image Identification Using Extended Fuzzy Logic* (Awarded to Dr. Abdur Rehman in April 2015).
6. *A Web Based Framework for Talent identification, Selection and Enhancement in Cricket* (Awarded to Dr. Gulfam Ahmad in October 2015).
7. *Trust Based QOS Protocol (TBQP) Using Heuristic Genetic Algorithm for Optimizing and Securing MANET* (Awarded to Dr. Sherin Zafar in September 2015).
8. *Efficient Mining of Data in Distributed Databases* (Awarded to Dr. Lalit Goyal in July 2016).
9. *Intercommunication Amongst Various Information Systems Applying Fuzzy Rough Sets* (Submitted - Waseem Ahmed).
10. *Performance Analysis, Improvements and Optimization of Techniques used in Association Rule Mining* (Ongoing - Samar Wazir).
11. *A Multidimensional Framework for Sentiment Analysis based on Feedback Comments* (Ongoing - Sheikh Amanur Rahman).
12. *Design and Security Evaluation of Chaos-Based Cryptographic Algorithms* (Ongoing – Musheer Ahmad).
13. *Analysis and Design of Mixed Lingual Information Extraction: Models and Methods* (Ongoing – Mohd Zeeshan Ansari).
14. *Building a Reverse Dictionary* (Ongoing – Bushra Siddique).
15. *Advanced Cloud Analytics for Intelligent Transportation System* (Ongoing – Muzakkir Hussain)

POSTGRADUATE DISSERTATIONS SUPERVISED:

1. Query Expansion Using Parallel Search and Learn Technique.
2. Development of a Personal Computer based Power Electronic Controller.
3. Performance of an Algorithm Based on Data-and-Document-Centric XML Documents.
4. Tree Based Algorithms for Association Rule Mining.
5. A Fuzzy Search Engine.
6. Image Segmentation using Fuzzy Multi Criteria Decision Making.
7. EEG Based Brain Computer Interface for Taste Detection.
8. Intelligent and Smart Traffic Management System.
9. Smart Charging cum Parking Station for Smart City.

POSTGRADUATE PROJECTS SUPERVISED:

1. Online Rank Aggregation.
2. Finding the Interesting Rules First.
3. Implementation of Spell Checking Algorithm.

4. Design and Realization of an Interfacing System for a Personal Computer based Power Electronic Controller.
5. Online Management System for GDM (Gestational Diabetes Mellitus).

UNDERGRADUATE PROJECTS SUPERVISED:

1. Simulator for Signal Processor ADSP 2100.
2. Health Monitoring and Control of Telephone Exchanges.
3. Analog Computation Through Digital Computers.
4. PC - Based Text-to-Speech Converter.
5. PC - Based Telephone Answering and Recording Machine.
6. Design and Realization of PC - Based Power Electronic Controller.
7. A GUI Approach to Library Management Using Visual Basic.
8. Prospects of a Computer Maintenance Firm at Aligarh.
9. Touch - Screen Interactive Kiosk.
10. Source Based Delay Bounded Multicasting in Multimedia Networks.
11. FPGA Based Design and Implementation of a Calculator Chip.
12. Application of Artificial Neural Networks in
 - (a) Author Recognition.
 - (b) Medical Diagnosis.
13. Design and Implementation of PC - Based Remote switching of Electrical appliances via telephone lines.
14. PC - Based Furnace Temperature Control by Discontinuous Phase Controlled Switching.
15. Simulator for Analog Computation.
16. Design and Realization of Personal Computer Based Speed Controller of Master – Slave Induction Motor.
17. Design and Realization of Microcomputer Based Versatile Power Electronic Controller.
18. Entrepreneur Resource Planning for Corporate Sectors.
19. DOS Help Mate.
20. Enhanced Meta-Searching on the World Wide Web.
21. Text Tone Analysis
22. Intelligent Operating System Trouble Shooter (TuxGuru)
23. Prediction of Stability of Derived Constituents from DNA
24. DRUID – Semantic Search Utility
25. Implementation of 16-bit Error Detection and Correction Controller in Bluespec HDL
26. Truth Discovery with Multiple Conflicting Information Providers on the Web
27. Association Rule Mining using Neural Networks

28. Social Networking Web site
29. Smart Home Security System
30. Multi-Resource Management System
31. Multimedia Answer Generation by Harvesting Web Information
32. Image Mosaicing

POSTGRADUATE COURSES TAUGHT:

Advance Computer Architectures, Parallel Semi-Numerical and Non-Numerical Algorithms, Web Mining and Searching, Operating Systems, Automata Theory, Compiler Design.

UNDERGRADUATE COURSES TAUGHT:

Algorithms and Data Structures, Discrete Mathematical Structures, Operating Systems, Computer Systems Design, Microelectronics, Logic Theory, Digital Electronics Systems, Information Technology, Distributed Systems, Artificial Intelligence, Data Mining, Microprocessors, Computer Organization.

RESPONSIBLE POSITIONS HELD IN THE DEPARTMENT:

- Have the distinction of being the very **first member of the teaching faculty** in the Department of Computer Engineering at AMU Aligarh.
- Bore the burden of establishing and managing the affairs of the Department of Computer Engineering, AMU Aligarh **all alone for a period of about 3 years**.
- Have been instrumental in procuring the instruments and subsequently **setting up the hardware lab**.
- Have also been negotiating, purchasing, installing and then maintaining the computer systems and their software in the **software lab** of the department.
- Purchased the books and **set up the seminar library** as well.
- It was only after other staff members have joined the department that the study leave was obtained to pursue the **Ph.D. program at I. I. T. Delhi in the QIP scheme**.
- Prepared and submitted the **IX Five Year Plan proposal** for the Department of Computer Engineering, AMU Aligarh **single-handedly**.
- **Tabulator** for M.Tech. program in the Department of Computer Engineering, AMU Aligarh for the first 3 years.
- **Assistant Superintendent** of Exams for the Dept. of Electronics Engg. Centre in 2004-2005 and 2005-2006.
- **Head** of the Department of Computer Engineering, Jamia Millia Islamia, New Delhi from February 11, 2007 to February 10, 2011.
- **Member** of the Academic Council, Jamia Millia Islamia, New Delhi from February 11, 2007 to February 10, 2011.
- **Member** of the University Court, Jamia Millia Islamia, New Delhi from November 9, 2010 to February 10, 2011.
- **Provost** of Sir Shah Sulaiman Hall of Residence for students at A.M.U. Aligarh from August 11, 2014 to November 10, 2015.
- **Member** of the University Court, Aligarh Muslim University, Aligarh from April 9, 2015 till date.

- **Member** of the Executive Council, Aligarh Muslim University, Aligarh from April 15, 2015 till date.
- **Member** of the Academic Council, Aligarh Muslim University, Aligarh from April 20, 2015 till date.
- **Chairperson** of the Department of Computer Engineering, A.M.U. Aligarh from May 23, 2015 to August 23, 2015.
- **Coordinator** for MBBS Admissions at A.M.U. Aligarh for the session 2015-16.
- **Principal**, Zakir Husain College of Engineering and Technology, A.M.U. Aligarh from August 24, 2015 till date.
- **Secretary, College Managing Committee**, Zakir Husain College of Engineering and Technology, A.M.U. Aligarh from August 24, 2015 till date.
- **Chairman, Alumni Affairs Committee** of the Aligarh Muslim University from June 27, 2018 till date.

PARTICIPATION IN WORKSHOPS/TUTORIALS:

1. *Induction Training Programme for Teachers in Technical Education*, sponsored by AICTE and organized by Academic Staff College, A.M.U., Aligarh, June 19-July 8, 1995.
2. QIP short term course on *Web Design and Development*, organized by the Computer Services Center, IIT Delhi from Dec. 11-15, 2000.
3. R. Krishnapuram, "*Basics of Web Mining*," A 4 hour tutorial conducted at the 7th International Conference on High Performance Computing (HiPC 2000), Bangalore, India, Dec. 17, 2000.
4. S. Chakrabarti, "*Weaving the Semantic Web: Mining Hypertext and Semistructured Databases*", A 4 hour tutorial conducted at the 7th International Conference on High Performance Computing (HiPC 2000), Bangalore, India, Dec. 17, 2000.
5. QIP short term course on *Artificial Intelligence, Functional Programming and Programming in Prolog*, organized by the Instrumentation Design and Development Center, IIT Delhi from May 7-19, 2001.
6. QIP short term course on *High Performance Computing*, organized by the Computer Services Center, IIT Delhi from May 12-16, 2003.
7. Training Program on *Managing Finance for Improving Organizational Performance and Effective Cost Management*, organized by National Productivity Council (Chandigarh), held at Kanyakumari from Feb. 20-24, 2017.
8. TEQIP-III *Professional Development Programme* for Director, Principal and Head of Institutions held during Sept. 26-28, 2018 at IIM Shillong.

PROFESSIONAL MEMBERSHIPS/AFFILIATIONS:

1. **Fellow** of the Institution of Engineers, India (F-1200315).
2. **Senior Member** of IEEE and its Computational Intelligence Society (40097459).
3. **Life Member** of Indian Society for Technical Education (ISTE).
4. **Life Member** of Institution of Electronics and Telecommunications Engineers (IETE - AM116382).

5. Life Member of Computer Society of India (CSI - I0915495).

6. Life Member of System Society of India (SSI).

COUNTRIES VISITED: United States of America, Canada, United Kingdom, Saudi Arabia, South Africa, Pakistan, Fiji, New Zealand, Australia.

REFEREES:

1. Prof. Tariq Mansoor, Vice Chancellor, A.M.U. Aligarh, India

2. Prof. M. N. Doja, Director, I.I.I.T. Sonapat, NIT Kurukshetra, India.

3. Prof. N. Ahmad, Department of Computer Engineering, A. M. U., Aligarh, India.

CURRENT AREAS OF RESEARCH INTERESTS:

Computer Architecture, Parallel and Distributed Computing, High Performance Data Mining, Web Mining and Searching, Fuzzy Logic and Systems, Genetic Algorithms, Question Answering Systems, Natural Language Processing.