

CURRICULUM VITAE

Dr. Rafiqul Zaman Khan

Professor & Chairman,

Department of Computer Science,
Aligarh Muslim University,
Aligarh-202002 (U.P), INDIA.

Homepage: <http://www.drrafiq.org>

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Total Regular University Level Teaching Experience:

- Graduate & Post Graduate Level (*M.S/MCA/MCS/B.C.A/B.Sc./B.C.S/B.I.T/B.S*): 26 years.

Research Interests:

- Parallel and Distributed Computing, Gesture Recognition, Expert Systems, Load Balancing in Cloud Computing, Cloud Security and IPv6 Security.

Published Work:

- Published about 75 research papers in international journals/conferences.

Research Guidance:

- Six (06) students awarded Ph.D. and Four (04) students pursuing under my independent supervision.

Research Citation:

- [To view research citations please click here:](#)

https://scholar.google.com/citations?user=S2fR_PUAAAAJ&hl=en

Educational Qualifications:

Exam Passed	University/ Board	Year	Division/Grade
Ph. D <i>(Computer Science)</i>	Jamia Hadard University, New Delhi, India <i>(Accredited by NAAC in 'A' Grade)</i>	2005	AWARDED
M.C.A <i>(Master of Computer Science and Applications)</i>	Aligarh Muslim University, Aligarh, India	1992	First
M. Sc (Physics)	Aligarh Muslim University, Aligarh , India	1989	First
B .Sc	Rohailkhand University, Bareilly, India	1987	First
Intermediate (10+2) <i>(Physics, Chemistry, Mathematics)</i>	G.I.C, Fatehgarh, Distt. Farrukhabad. (U. P. Board), India	1984	First

Regular University Level Teaching Experience:

1). August 22, 2015 - till date

Professor,

Department of Computer Science,

Aligarh Muslim University (A.M.U), Aligarh-202002 (U.P), India. Nature of job: *Permanent.*

Website: <http://www.drrafiq.org>

2). August 22, 2012 – August 21, 2015.

Associate Professor,

Department of Computer Science,

Aligarh Muslim University (A.M.U), Aligarh-202002 (U.P), India. Nature of job: *Permanent.*

Website: <http://www.drrafiq.org>

3). August 22, 2009 – August 21, 2012

Reader,

Department of Computer Science,

Aligarh Muslim University (A.M.U), Aligarh-202002 (U.P), India. Nature of job: *Permanent.*

Website: <http://www.drrafiq.org>

4). Feb 16, 2006 – August 21, 2009

Assistant Professor,

Department of Computer Science,

Ittihad University (I.U), P.O.Box-2286, Ras Al Khaimah, U.A.E

5). September 01, 2000 - September 01, 2005.

Lecturer,

Information & Computer Science Department (ICS Dept.),

King Fahd University of Petroleum and Minerals (K.F.U.P.M), Dhahran-31261, K.S.A

Website: <http://www.kfupm.edu.sa>

6). August 19, 1997 to August 31, 2000 (on EOL from August 22, 2000-September 01, 2005)

Lecturer,

Department of Computer Science,

Faculty of Management Studies & Information Technology (FMSIT) Jamia Hamdard (Hamdard University), New Delhi-110 062, India.

Website: <http://www.jamiahamdard.edu>

Nature of job: *Permanent.*

7) October 17, 1994 to August 18, 1997

Lecturer & H.O.D,

Department of Computer Science, Poona

College (University of Pune), Pune-410001, India.

Website: <http://www.akipoonacollege.ac.in/>

Nature of job: *Permanent.*

List of Publications in Peer Reviewed Journals/Conferences (National/International) with ISSN:

- 1) *Qadeer Ul Hasan, Rafiqul Zaman Khan, and Lev B. Levitin “A Nonlinear Adaptive Equalization Technique in Digital Satellite Communication” Globus -An International Journal of Management & IT (ISSN: 0975-721X), Vol. 01, No. 02, pp. 1-8, 2010.*
- 2) *Ali Sher, Abdul Sattar Al-Alusi and Rafiqul Zaman Khan, "A Systematic Approach to Information Security Management”, Proceedings of National Conference on Information and Communication Technologies (NCICT-2007), pp. 117-120, University of Science and Technology, Bannu, NWFP , May 26, 2007,*
- 3) *Hassan Kazim, Qadeer Hasan and Rafiqul Zaman Khan, “Fraud/Privacy Protection in Anonymous Auction” Proceedings of the Second International Conference on Internet Monitoring and Protection (ICIMP-2007). IEEE Computer Society CS Digital Library, U.S.A (ISBN: 0-7695-2911-9), pp. 12, Silicon Valley, California, U.S.A, July 1-5, 2007. doi> <http://doi.ieeecomputersociety.org/10.1109/ICIMP.2007.19>*
- 4) *Rafiqul Zaman Khan, Ali Sher and Qadeer Hasan, "A study on Current and Future Trends in Object-Oriented Languages”, Globus -An International Journal of Management & IT (ISSN: 0975-721X), Vol. 01, No. 01, pp. 15-30, December. 2009.*

- 5) *Qadeer ul Hasan, Rafiqul Zaman Khan and Lev B. Levitin* , “A Nonlinear Adaptive Filtering Technique in Digital Communication- II” *Journal of Intelligent Computing (ISSN: 0976-9005) -(An International Journal)*, Vol. 01, No. 01, pp. 30-39, March. 2010.
- 6) *Javed Ali and Rafiqul Zaman Khan* “A Survey Paper on Task Partitioning Strategies in Parallel and Distributed System” *Globus -An International Journal of Management & IT (ISSN: 0975-721X)*, Vol. 02, No. 01, pp 1-12. **August 2010.**
- 7) *Rafiqul Zaman Khan, Javed Ali and Firoz Ali*, “Performance Analysis of Parallel Computing Tools: PVM, MPI, ScaLAPACK, BLACS and PVMPI”, *Proceedings of International Conference on Advances in Mathematical & Computational Methods (AMCM-2011) (ISBN: 978-81-908497-6-0)*, Vol. 1, pp. 215-222, Padmavati Mahila Visvavidyalayam, Tirupati, **January 5-7, 2011.**
- 8) *Rafiqul Zaman Khan and Firoz Ali*, “A Comparative Study on Parallel programming Tools in Parallel Distributed Computing System: MPI and PVM”, *Proceedings of the 5th National Conference on Computing for National Development (ISSN 0973 –7529)*” pp. 40-50, Bharati Vidyapeeth’s Institute of Computer Applications and Management, New Delhi, **March 10-11, 2011.**
- 9) *Rafiqul Zaman Khan, A. Q. Ansari and K. Qureshi* “Performance Prediction for Parallel Scientific Application” *Malaysian Journal of Computer Science (ISSN 0127-9084)*, Vol. 17, Number 01, pp. 65-73, **Malaysia, June 2004.**
- 10) *Firoz Ali, and Rafiqul Zaman Khan*, “Performance Analysis of Parallel Programming Tools” *International Journal of Computer Science and Information Technologies (ISSN: 0975-9646)*, Vol. 02, No. 06, pp. 2924-2931, **November 2011.**
- 11) *Rafiqul Zaman Khan, K. Qureshi and A.Q.Ansari* “ Adaptive Decentralized Task Scheduling Strategy for a Heterogeneous Distributed Ray Tracing Systems” *Computer Science & Informatics Journal; Computer Society of India, (ISSN 0254-7813)*, Vol. 32, No. 04, pp. 26-31, **December. 2002.**
- 12) *Rafiqul Zaman Khan, K. Qureshi and A.Q.Ansari* “ A Practical Investigation of Runtime Lightweight Threads and Process Parallelizing Techniques for Distributed Image Computing System”, *Computer Science & Informatics Journal; Computer Society of India(ISSN 0254-7813)*, Vol. 33, No. 03, pp. 19-26, **July-September 2003.**
- 13) *Javed Ali and Rafiqul Zaman Khan*, “Performance Analysis of Matrix Multiplication Algorithms Using MPI” *International Journal of Computer Science and Information Technologies (ISSN: 0975-9646)*, Vol. 03, No.01, pp. 3103-3106, **January 2012.**
- 14) *Noor Adnan Ibraheem and Rafiqul Zaman Khan*, “Vision Based Gesture Recognition Using Neural Networks Approaches: A Review”, *International Journal of Human Computer Interaction (ISSN: 2180-1347)*, Vol. 03, No.01, pp.1-14, **Malaysia, February, 2012.**

- 15) *Firoz Ali and Rafiqul Zaman Khan*, “The Study on Load Balancing Strategies in Distributed Computing System” *International Journal of Computer Science and Engineering Survey* (ISSN: 0976-2760 (Online); 0976-3252 (Print)), Vol. 03, No. 02, pp.19-30, **March 2012**.
- 16) *Rafiqul Zaman Khan and Javed Ali*, “A Practical Performance Analysis of Modern Software used in High Performance Computing”, *International Journal of Advanced Research in Computer Science and Software Engineering* (ISSN: 2277128X, ISBN: 22776451), Vol. 02, No. 03, pp.15-19, **March 2012**.
- 17) *Rafiqul Zaman Khan and Firoz Ali*, “Cluster Computing using PVM”, *International Journal of Advanced Research in Computer Science and Software Engineering* (ISSN: 2277128X, ISBN: 22776451), Vol. 02, No. 03, pp.20-23, **March 2012**.
- 18) *Noor A. Ibraheem, Mokhtar M. Hasan, Rafiqul Zaman. Khan and Pramod K. Mishra*, “Understanding Color Models: A Review”, *ARNP Journal of Science and Technology* (ISSN: 2225-7217) - (An International Journal), Vol. 02, No. 03, pp. 265-275, **Canada, April 2012**.
- 19) *Rafiqul Zaman Khan and Noor Adnan Ibraheem*, “Survey on Gesture Recognition for Hand Image Postures”, *ARNP Journal of Computer and Information Sciences*, ISSN: 1913-8997(Online), ISSN: 1913-8989 (print),doi: 10.5539/cis.v5n3p110, Vol. 05, No. 03, pp.110-121, **Canada, May 2012**.
- 20) *Rafiqul Zaman Khan and Noor Adnan Ibraheem*, “Comparative Study of Hand Gesture Recognition System”, *Proceedings in Computer Science & Information Technology (CS & IT) of International Conference of Advanced Computer Science & Information Technology* (ISBN: 978-1-921987-04-5), Vol. 02. No. 03, pp. 203-213, Chennai, **July 14 - 15, 2012**. doi: [10.5121/csit.2012.2320](https://doi.org/10.5121/csit.2012.2320)
- 21) *Noor Adnan Ibraheem and Rafiqul Zaman Khan*, “Survey on Various Gesture Recognition Technologies and Techniques”, *International Journal of Computer Applications* (ISSN: 0975-8887), doi: 10.5120/7786-0883, Vol. 50, No. 07, pp. 38-44, Published by Foundation of Computer Science (FCS), **New York, U.S.A, July 2012**.
- 22) *Rafiqul Zaman Khan and Noor Adnan Ibraheem*, “Hand Gesture Recognition: A Literature Review”, *International Journal of Artificial Intelligence & Applications*, (ISSN: 0975-900X (online), 0976-2191 (Print)), doi: 10.5121/ijaia.2012.3412, Vol. 03, No. 04, pp. 161-174, **July 2012**.
- 23) *Javed Ali and Rafiqul Zaman Khan*, “Dynamic Task Partitioning Model in Parallel Computing”, *Proceedings of the International Conference on Advanced Information Technology (ICAIT-2012)*, ISSN:2231-5403, ISBN:978-1-921987-05-2, , pp. 279- 284, Avinashilingam University, Coimbatore, India, **October 27 – 28, 2012**.
- 24) *Rafiqul Zaman Khan and Md. Firoj Ali*, “Current Trends in Parallel Computing”, *International Journal of Computer Applications* (ISSN: 0975-8887), ISBN: 973-93- 80870-59-1, doi>10.5120/9519-3923, Vol. 59, No. 02, pp. 19-25, Published by Foundation of Computer Science (FCS), **New York, U.S.A, December 2012**.

- 25) *Javed Ali and Rafiqul Zaman Khan* “Optimal Task Partitioning Model in Distributed Heterogeneous Parallel Computing Environment”, *International Journal of Advanced Information Technology (IJAIT)* ISSN: 2231 - 1548 [Online] ; 2231 - 1920 [Print], Vol. 02, No. 06, pp. 13-24, **December 2012**.
- 26) *Rafiqul Zaman Khan and Javed Ali*, “Classification of Task Partitioning and Load Balancing Strategies in Distributed Parallel Computing Systems”, *International Journal of Computer Applications (ISSN: 0975-8887)*, ISBN: 973-93-80870-59-1, , Vol. 60, No. 17, pp. 48-53, Published by Foundation of Computer Science (FCS), **New York, U.S.A, December 2012**. doi>10.5120/9788-4419
- 27) *Rafiqul Zaman Khan and Noor Adnan Ibraheem*, “Segmentation Algorithms for Vision Based HCI”, Third Kuwait Conference on E-Services and E-Systems (KCESS 2012), Kuwait University, **Kuwait, December 18-20, 2012**.
- 28) *Md. Firoj Ali and Rafiqul Zaman Khan*, “An Analytical Model for Dynamic Load Balancing in 2D-Mesh”, *International Journal of Management, IT and Engineering (IJMIE)*, ISSN: 2249-0558, Vol. 03, Issue 04, pp. 507-513, **April 2013**.
- 29) *Noor A. Ibraheem and Rafiqul Zaman Khan*, “Multiple Histogram Technique for Robust Skin Color Based Segmentation”, *American Journal of Engineering Research (AJER)*, **U.S.A, ISSN: 2320-0847**, Vol. 02, Issue: 05, pp-50-54, **May 2013**.
- 30) *Rafiqul Zaman Khan and Javed Ali*,” Task Partitioning Strategy with Minimum Time (TPSMT) in Distributed Parallel Computing Environment”, *International Journal of Application or Innovation in Engineering & Management (IJAIEM)*, ISSN 2319 – 4847, Vol. 02, Issue 07, pp. 522-528, **July 2013**.
- 31) *Dr. Rafiqul Zaman Khan and Haider Allamy*, “Training algorithms for supervised machine learning: comparative study”, *International Journal of Management & Information Technology*, ISSN: 2278-5612, Vol. 04, No. 02, pp. 354-360, **July 2013**.
- 32) *Noor Adnan Ibraheem and Rafiqul Zaman Khan* , “Novel Segmentation Algorithm based on Mixture of Multiple Histograms“, *International Journal of Scientific & Engineering Research*, (ISSN 2229-5518), Vol. 04, Issue 08, pp. 1074-1087. **August 2013**.
- 33) *Noor A Ibraheem, Rafiqul Zaman Khan and Mokhtar M Hasan*. “Comparative Study of Skin Color based Segmentation Techniques”. *International Journal of Applied Information Systems (IJ AIS)*, ISSN: 2249-0868, Vol. 05, No. 10, pp. 24-38, Published by Foundation of Computer Science, New York, **U.S.A, August 2013**. Doi>10.5120/ijais13- 450985.
- 34) *Rafiqul Zaman Khan and Javed Ali*,” Pre-emptive Task Partitioning Strategy (PTPS) with Fast Pre-emption in Heterogeneous Distributed Environment”, *International Journal of Applied Information System (IJ AIS)*, ISSN: 2249-0868, Vol. 6, No. 01, pp.25-31, **U.S.A, September 2013**. Doi> 10.5120/ijais13-450995.
- 35) *Imad S. Alshawi, Md. Haider Khalaf Jabbar and Rafiqul Zaman Khan*, “Development of Multiple Neuro-Fuzzy System Using Back-propagation Algorithm”, *International Journal of Management & Information Technology (IJMIT)*, ISSN 2278-5612, Vol. 02, No. 2, pp. 793-804, **October 2013**.

- 36) *Javed Ali and Rafiqul Zaman Khan* "Optimal Task Partitioning Strategy with Duplication (OTPSD) in Parallel Computing Environments", *International Journal of Computers & Distributed System (IJCDS)*, ISSN: 2278-5183, Vol. 4, No. 1, pp. 7-15, **Oct.-Nov. 2013**.
- 37) *Rafiqul Zaman Khan and Noor Adnan Ibraheem* "Comparative Study and Analysis for Gesture Recognition Methodologies", *International Journal of Advance research in Science & Engineering* (ISSN: 2319-8354), Vol. 02, Issue 11, pp. 64-69, **November 2013**.
- 38) *Rafiqul Zaman Khan and Md. Firoj Ali* "An Improved Local Hierarchical Load Balancing Algorithm (ILHLBA) in Distributed Computing", *International Journal of Advance research in Science & Engineering* (ISSN: 2319-8354), Vol. 02, Issue 11, pp.70-79, **November 2013**.
- 39) *Rafiqul Zaman Khan and Noor Adnan Ibraheem*, "Gesture Algorithms Based on Geometric Features Extraction and Recognition", *International Journal of Advanced Research in Computer Science and Software Engineering* (ISSN: 2277128X, ISBN: 22776451), Vol. 03, No.11, pp.284-290, **November 2013**.
- 40) *Rafiqul Zaman Khan and Md. Javed Ali* "Important Aspects of Parallel Computing", *International Journal of Computer Science Engineering and Technology (IJCSET)*, ISSN: 2231-0711, Vol. 03, Issue 11, pp. 431-433, **November 2013**.
- 41) *Rafiqul Zaman Khan and Md. Firoj Ali* "An Efficient Local Hierarchical Load Balancing Algorithm (ELHLBA) in Distributed Computing", *International Journal of Computer Science Engineering and Technology (IJCSET)*, ISSN: 2231-0711, Vol. 03, Issue 11, pp. 427-430, **November 2013**.
- 42) *Dr. Rafiqul Zaman Khan and Md. Haider Khalaf Jabbar Allamy* "Improvement of Neuro Fuzzy Systems Using K-means Clustering", *International Journal of Emerging Engineering research and Technology (IJEERT)*, ISSN: 2349-4395 (print), ISSN: 2349-4409 (online), Vol. 01, Issue 02, pp.1-7, **December 2013**.
- 43) *Rafiqul Zaman Khan and Noor Adnan Ibraheem* "Genetic Shape Fitting for Hand Gesture Modeling and Feature Extraction using Variable Length Chromosome", *British Journal of Science (BJS), U.K.*, ISSN: 2047-3745, Vol. 10, Issue 01, pp. 1-11, **December 2013**.
- 44) *Rafiqul Zaman Khan and Javed Ali* , "Use of DAG in Distributed Parallel Computing", *International Journal of Application or Innovation in Engineering & Management (IJAIEM)*, ISSN 2319 – 4847, Vol. 02, Issue 11, pp.81-85 , **November 2013**.
- 45) *Rafiqul Zaman Khan and Md. Firoj Ali*, "An Efficient Diffusion Load Balancing Algorithm in Distributed System", *International Journal of Information Technology and Computer Science (IJITCS)*, ISSN: 2074-9007 (Print), ISSN: 2074-9015 (Online), published By: MECS Publisher, Vol. 06, No. 08, pp.65-71, **July 2014**. DOI: 10.5815/ijitcs.2014.08.09
- 46) *Noor A Ibraheem and Rafiqul Zaman Khan*, "A Novel Algorithm for Hand Gesture Modelling Using Genetic Algorithm with Variable Length Chromosome", *International Journal on Recent and Innovation Trends in Computing and Communication*, ISSN: 2321-8169, Vol. 02, Issue: 08, pp. 2175-2183, **August 2014**.

- 47) *Md. Firoj Ali and Rafiqul Zaman Khan*, “A New Distributed Load Balancing Algorithm”, *International Journal on Recent and Innovation Trends in Computing and Communication*, ISSN: 2321-8169, Vol. 02, Issue: 09, pp. 2556-2559, **September 2014**.
- 48) *Haider Khalaf Jabbar and Rafiqul Zaman Khan*, “Methods to Avoid Over-Fitting and Under-Fitting in Supervised Machine Learning (Comparative Study)”, *Proceedings of International Joint Conferences on ACE, AET, ComNet and PCIE 2014*, Kochi, India, pp. 163-172, **December 27, 2014**.
- 49) *Noor A Ibraheem, M.M.Hasan and Rafiqul Zaman Khan*, “An Investigation on Gesture Analysis and Geometric Features Extraction”, *International Journal of Innovative Research in Computer and Communication Engineering (An ISO 3297: 2007 Certified Organization)*, ISSN (Online): 2320-9801, ISSN (Print): 2320-9798, Vol. 03, Issue 01, pp. 387-392, **January 2015**. doi> 10.15680/ijirce.2015.0301037.
- 50) *Atena Shiranzae and Rafiqul Zaman Khan*, “A Comparative Study on IPv4 and IPv6”, *International Journal of Advanced Information Science and Technology*, ISSN: 2319 – 2682, Vol. 33, No. 33, pp. 9-16, **January 2015**.
- 51) *Rafiqul Zaman Khan, K. Qureshi and A.Q.Ansari* “An Adaptive Hybrid Task Partitioning, Scheduling, and Load Balancing Strategy for Heterogeneous Distributed System” *IETE Journal of Research (ISSN 0377-2063)*, Vol. 50, No. 01, pp. 69-78, **January-February. 2004**.
- 52) *I.Ahmad and Rafiqul Zaman Khan*, “ Security Flaws in Web Applications – A case study of Educational Websites”, *Proceedings of National Conference on “Impact of ICT in Education”*, Pune, ISBN:978-81-927093-1-4, pp. 160-168, **January 23-24, 2015**.
- 53) *Md. Haider Khalaf Jabbar and Dr. Rafiqul Zaman Khan*, “Survey on Development of Expert System in the Areas of: Medical, Education, Automobile and Agriculture”, *Proceedings of the 9th INDIACom; INDIACom-2015; IEEE Conference ID: 35071 2015 2nd International Conference on “Computing for Sustainable Global Development”*, **11th - 13th March, 2015** Bharati Vidyapeeth’s Institute of Computer Applications and Management (BVICAM), New Delhi. pp. 776 – 780, ISBN: 978-9-3805-4415-1, **IEEE Xplore** proceeding, (SCOPUS Indexed).
- 54) *Atena Shiranzaei and Rafiqul Zaman Khan*, “Internet Protocol Versions – A Review”, *Proceedings of the 9th INDIACom; INDIACom-2015; IEEE Conference ID: 35071 2015 2nd International Conference on “Computing for Sustainable Global Development”*, **11th – 13th March, 2015** Bharati Vidyapeeth’s Institute of Computer Applications and Management (BVICAM), New Delhi. pp. 397 – 401, ISBN: 978-9-3805-4415-1, ISBN: 978-9-3805-4415-1, **IEEE Xplore** proceeding, (SCOPUS Indexed).
- 55) *Noor A Ibraheem and Rafiqul Zaman Khan*, “A Research Study on Recent Skin Colour Based Statistical Segmentation Modeling Techniques“, *International Journal of Graphics and Multimedia (IJGM)*, ISSN 0976 -6456 (Online), Vol. 06, Issue 01, pp. 01- 7, **January-April- 2015**.

- 56) **Rafiqul Zaman Khan and Md. Firoj Ali**, “A Study of Cloud Computing”, *International Research Journal of Computer Science (IRJCS)*, ISSN: 2393-9842, Vol. 02, Issue 5, pp. 79-83, **May 2015**.
- 57) **Mohammad Oqail Ahmad and Rafiqul Zaman Khan**, “The Cloud Computing: A Systematic Review”, *International Journal of Innovative Research in Computer and Communication Engineering (An ISO 3297: 2007 Certified Organization)* ISSN (Online): 2320-9801, ISSN (Print): 2320-9798, Vol. 03, Issue 05, pp. 4066-4075, **May 2015**, DOI: 10.15680/ijirce.2015.0305086.
- 58) **Md. Firoj Ali and Rafiqul Zaman Khan**, “Distributed Computing-An Overview”, *International Journal of Advanced Networking and Applications*, Vol.07, Issue 01, pp.2630- 2635, **June 2015**.
- 59) **Shiranzaei A. and Rafiqul Zaman Khan**, “IPv6 Security Issues”, A Systematic Review”,. In: Lobiyal D., Mansotra V., Singh U. (eds) Next-Generation Networks. Advances in Intelligent Systems and Computing, vol 638, pp. 41-49. **Print ISBN 978-981-10-6004-5, Online ISBN 978-981-10-6005-2, Springer, Singapore, 2018, DOI https://doi.org/10.1007/978-981-10-6005-2_5**
- 60) **Haider Khalaf Jabbar and Rafiqul Zaman Khan**, “Development of Expert Systems Methodologies and Applications,” *International Journal of Information Technology & Management Information System (IJITMIS)*, ISSN Print: 0976 – 6405 and ISSN Online: 0976 – 6413, Vol. 06, Issue 02, pp. 49-59, **July-December, 2015**.
- 61) **Haider Khalaf Jabbar and Rafiqul Zaman Khan**, "Tools of Development of Expert Systems: A comparative study," *Proceedings of the 10th INDIACom; INDIACom- 2016, 3rd 2016 International Conference on “Computing for Sustainable Global Development”*, ISSN 0973–7529, ISBN 978-93-80544-19-9 , Bharati Vidyapeeth’s Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), **16th – 18th March, 2016. IEEE Xplore proceeding**, pp. 3947-3952, (SCOPUS Indexed), <https://ieeexplore.ieee.org/document/7724999>
- 62) **Rafiqul Zaman Khan and Mohammad Oqail Ahmad**, " Load Balancing Challenges in Cloud Computing: A Survey", *Proceedings of International Conference on Signal, Networks, Computing, and Systems (ICSNCS-2016)*, **Lecture Notes in Electrical Engineering, Springer Verlag** [SCOPUS Indexed], ISSN: 1876-1100, **25-27 February 2016**, JNU, New Delhi.
- 63) **Rafiqul Zaman Khan and Haider Khalaf Jabbar**,” Survey on Development of Expert System from 2010 to 2015”, *Proceedings of the Second International Conference on Information and Communication Technology for Competitive Strategies (ICTCS- 2016)*, pp. 1-7, ISBN 978-1-4503-3962-9, Udaipur, Rajasthan (INDIA), **04th – 05th March, 2016. ACM (Association of Computer Machinery, USA) proceedings**, (SCOPUS Indexed) , DOI: <http://dx.doi.org/10.1145/2905055.2905190>
- 64) **Rafiqul Zaman Khan and Atena Shiranzaei**, 2017, “IPv6 Security tools-A Systematic review”, *International Conference on Computing Communication and Automation* vol; no 16585524, pp 459-464. **IEEE Xplore**, (SCOPUS Indexed), DOI: [10.1109/CCA.2016.7813763](https://doi.org/10.1109/CCA.2016.7813763)

- 65) *Atena Shiranzaei and Rafiqul Zaman Khan*, "Overview and analysis the performance of security in Mobile IPv6", Proceedings of the 11th INDIACom; INDIACom-2017; IEEE Conference ID: 40353 2017, pp. 4801-4806, ISSN 0973-7529; ISBN 978-93-80544-24-3, *4th International Conference on "Computing for Sustainable Global Development"*, 01th – 03th March, 2017 Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi. <https://www.bvicam.ac.in/news/INDIACom%202017%20Proceedings/Main/papers/875.pdf>
- 66) *Atena Shiranzaei and Rafiqul Zaman Khan*, "Countermeasure methods to overcome the attacks in the RPL Based Internet of Things", *Proceedings of the 11th INDIACom; INDIACom-2017; pp. 798-802*, ISSN 0973-7529; ISBN 978-93-80544-24-3, IEEE Conference ID: 40353 2017 *4th International Conference on "Computing for Sustainable Global Development"*, *01th– 03th March, 2017* Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi. <https://www.bvicam.ac.in/news/INDIACom%202017%20Proceedings/Main/papers/873.pdf>
- 67) *Mohammad Oqail Ahmad and Rafiqul Zaman Khan*, "Load Balancing Tools and Techniques in Cloud Computing: A Systematic Review ", *In: Bhatia S., Mishra K., Tiwari S., Singh V. (eds) Advances in Computer and Computational Sciences. Advances in Intelligent Systems and Computing*, vol 554. *Springer*, Singapore, **29 September 2017**, (SCOPUS Indexed).
- 68) *Rafiqul Zaman Khan* and Mohammad Oqail Ahmad, "A survey on load balancing algorithms in cloud computing", *International Journal of Autonomic Computing (IJAC)*, *InderScience Publishers*. Vol. 2, No. 4, **2017**.
- 69) *Mohammad Haris and Rafiqul Zaman Khan*, "A Systematic Review on Cloud Computing", *International Journal of Computer Sciences and Engineering (IJCSE)*, Vol.-6, Issue-11, **Nov 30. 2018**.
- 70) *Atena Shiranzaei and Rafiqul Zaman Khan*, "An Approach to Discover the Sinkhole and Selective Forwarding Attack in IoT", *Journal of Information Security Research*, Vol- 9 Number 3, pp. 107-118, **September 2018**. DOI: 10.6025/jisr/2018/9/3/107-118
- 71) *Mohammad Haris and Rafiqul Zaman Khan*, "A Systematic Review on Load Balancing Issues in Cloud Computing", *International Conference on Sustainable Communication Networks and Applications [ICSCN 2019]*, 30-31 **July 2019** at Surya Engineering College, Erode, **Springer Lecture Notes on Data Engineering and Communications Technologies [LNDECT]**. Vol. 39, pp. 297–303.
- 72) *Mohammad Oqail Ahmad and Rafiqul Zaman Khan*, "Cloud Computing Modeling and Simulation using CloudSim Environment", *International Journal of Recent Technology and Engineering (IJRTE)*, ISSN: 2277-3878, Vol. 08 Issue-2, pp. 5439-5445, **July 2019**. (Scopus Indexed).
- 73) *Md Oqail Ahmad and Rafiqul Zaman Khan*, "An efficient load balancing scheduling strategy for cloud computing based on hybrid approach", *International Journal of Cloud Computing*, Vol. 9, Issue 4, **2020**. **InderScience Publication. (Scopus Index)**. (In Press).

74) *Md Oqail Ahmad and Rafiqul Zaman Khan*, "PSO-based Task Scheduling Algorithm using Adaptive Load Balancing Approach for Cloud Computing Environment", *International Journal of Scientific and Technology Research (IJSTR)*, ISSN 2277-8616, Vol. 08, Issue 11, pp. 457-462, **November 2019. (Scopus Index).**

75) *Md. Oqail Ahmad and Rafiqul Zaman Khan*, " Optimized Hyper heuristic Scheduling using Adaptive load balancing algorithm in cloud computing", *International Journal of Modern Education and Computer Science (IJMECS)*, 2075-017X [Scopus Indexed], **communicated**

Ph. D Scholars (Supervised Independently):

Sr. No	Research Scholar	Topic	Status	Awarding Year	Name of Indian Examiner
1.	Mr. Javed Ali	Studies on Task Partitioning Strategies in Distributed System.	Awarded (Date of Viva-voce: April 26, 2014)	2014	Prof. (Dr.) M.N. Doja , Head, Department of Computer Engineering, Jamia Millia Islamia (JMI) , New Delhi.
2.	Ms. Noor Adnan, Ibraheem.	Gesture Recognition for Hand-Image Postures.	Awarded (Date of Viva-voce : March 16, 2015)	2015	Prof. P.K. Mishra , Head, Department of Computer Science, Banaras Hindu University (BHU) , Varanasi.
3.	Mr. Md. Firoj Ali.	The Study of Load Balancing Strategies for the Distributed Computing System.	Awarded (Date of Viva-voce: May 28, 2015)	2015	Prof. P.S. Grover , Ex. Head, Department of Computer Science, Delhi University (DU) , Delhi.
4.	Mr. Haider Khalaf Jabbar	Development of Expert System using Artificial Intelligent Neural Network.	Awarded (Date of Viva-voce: January 18, 2017)	2017	Prof. P.K. Mishra , Head, Department of Computer Science, Banaras Hindu University (BHU) , Varanasi.
5.	Ms. Atena Shiranzaei	Studies on IPv6 Security.	Awarded (Date of Viva-voce: July 03, 2017)	2017	Prof (Dr.). Hardeep Singh , Professor & Head, Department of Computer Science & Engineering, Guru Nanak Dev University (GNDU) ,

					Amritsar, Punjab
6.	Mr. Md. Oqail Ahmad	The Study on Load Balancing in Cloud Computing System.	Awarded (Date of Viva-voce: June 19, 2020)	2020	Prof (Dr.) Afshar Alam, Head, Department of Computer science, Dean of Faculty of Management Studies & Information Technology, Jamia Hamdard, New Delhi.
7.	Mr. Mohammad Haris.	The Study on Load Balancing Issues to optimize Quality of Services(QoS) parameters in Cloud Computing	Course work completed	Undergoing	Undergoing
8.	Mr. Talha Umar	Cloud Computing	Undergoing	Undergoing	Undergoing
9.	Ms. Fakhru Jamal	Cloud Computing	Undergoing	Undergoing	Undergoing
10.	Mr. Mohammad Saquib Jawed	Cloud Computing	Undergoing	Undergoing	Undergoing

*Apart from above supervision, evaluated about (50) Ph.D. theses from different Universities.

Academic Workshops & Conferences Organized:

- **Member of the Organizing Committee** of the “*Workshop on Industrial Mathematics*” which was organized in collaboration with A.M.U, Roorkee University, Jamia Hamdard & UGC at Jamia Hamdard, New Delhi, India, during, **Feb 23-27, 1999.**
- **Member of the Program Committee** of the “*Fourth International Workshop on Information & Computer Science (WICS-2002)*” which was held at **KFUPM, K.S.A,** during **March 17-18, 2002.**
- **Member of the Program Committee** of the “*International Computer Conference on Information & Computer Science (ICICS „04)*” which was held at **K.F.U.P.M, K.S.A** during **November. 28 to Dec 01, 2004.**
- **Organized a Workshop** e n titled “*Web Based Approach for Effective Teaching*”, Ittihad University, **U.A.E** during **December 6-7, 2006.**
- **Member of Organizing Program Committee** for the organization of “*National Workshop on Network Security and Applications (NSA-2011)*” which was held at Women’s Polytechnic, AMU, Aligarh during **Feb 5-6, 2011.**

- **Member of the Program Committee** of the “*International Workshop on Signal Image Processing and Multimedia (SIPM-2012)*” which was held at Park Hotel, Chennai, during **July 14-15, 2012.**
- **Technical Programme Committee Member**, First International conference on Advanced Information Technology (**ICAIT-2012**), Venue: Avinashilingam University, October 27~28, Coimbatore, India. <https://coneco2009.com/icaity/program.html>
- **Member of the Organizing Program Committee** of the “*International Workshop on Information Theory (WIT-2012)*”, which was organized by Avinashilingam University, Coimbatore, during **October 26-28, 2012.**
- **Member of the Organizing Program Committee** of the “*Second International Conference on Computational Science, Engineering and Information Technology (CCSEITIT-2012)*” which was organized by Avinashilingam University, Coimbatore, during **October 26-28, 2012.**
- **Member of the Organizing Program Committee** of the “*International Workshop on Information Theory (WIT-2013)*”, KTO Karatay University, Konya, **Turkey**, during **June 7-9, 2013. (Springer Proceedings).**
- **Member of the Organizing Program Committee** of the “*First International Conference on Computational Science & Engineering (CSE-2013)*”, **Dubai, UAE** during **May 18-19, 2013.**
- **Member of Organizing Programme Committee**, The Third International Conference on Computational Science, Engineering and Information Technology (**CCSEIT-2013**), June 7-9, 2013, **Turkey.** <http://ccseit.org/13/committee.html>
- **Member of the Organizing Program Committee** of the “*Second International Conference on Advanced Information Technology (ICAIT 2013)*”, Bangalore, India, during **December 20-21, 2013,** <https://airccj.org/2013/icaity13/program.html>
- **Member of the Program Committee** of the “*15th International Conference on Informatics and Semiotics in Organisations service Science and Knowledge Innovation (ICISO-2014)*”, **Shanghai, China** during **May 23-25, 2014. (Springer Proceedings).**
- **Member of the Program Committee** of the “*International Workshop on Informatics Engineering and Management*”, at **Shanghai, China** during **May 24, 2014. (Springer Proceedings).**
- **Member of Technical Program Committee** of COMMUNE-2015, “*2015 International Conference on Advances in Computers, Communication, and Electronics Engineering*”, University of Kashmir, **Srinagar, India, March 16-18, 2015.,** <http://commune.co.in/index.php/about-us/committees/technical-program>

- **Member of the Program Committee** of “16 th IFIP WG 8.1 *International Conference on Informatics and Semiotics in Organisations, ICISO 2015*”, Toulouse, **France, March 19-20, 2015. (Springer Proceeding).**
- **Organizing Programme Committee Member** of *International Conference on Soft Computing, Mathematics and Control (SMC 2015)*, during **Feb 14-15, 2015** at Bangalore, India, <http://iidco.org/2015/smc/committee.html>
- **Member of Organizing Programme Committee** of *Asia-Pacific World Congress on Computer Science and Engineering 2014 (APWC on CSE 2014)* was held at Nadia, **Fiji, 4-5th November 2014. (IEEE Xplore proceedings).**
- **Member of Organizing Technical Programme Committee** of *CSI 50th Golden Jubilee Annual Convention (CSI-2015)*, **New Delhi, December 02-05, 2015. (Springer Proceeding).**
- **Member of Organizing Technical Programme Committee** of **IEEE INDIACom-2016**, **New Delhi, March 16-18, 2016. (IEEE Xplore proceedings).**
- **Member of Organizing Programme Committee** , *APWC on CSE 2016, 3rd Asia-Pacific World Congress on Computer Science and Engineering 2016*, 4-6th **December, 2016.** Sofitel Fiji Resort & Spa, Denarau Island, **Fiji**, <http://ilab-australia.org/apwconcse2016/>
- **Member of Organizing Programme Committee** 2017 *IEEE International Conference on Intelligence Techniques in Control, Optimization & Signal Processing, INCOS-17, 23-25 March 2017*, Kalasalingam Academy & Research and Education, **India.** <http://kalasalingam.ac.in/site/editorial-board/>
- **Member of Organizing Programme Committee** **4th APWCE 2018**, the *4th Asia Pacific World Congress on Engineering*, Australia, iLab, **Fiji**, <http://ilab-australia.org/apwce2018/>
- **Technical Programme Committee Member** **INDIACom-2020**, **New Delhi, India.**<https://www.bvicam.ac.in/indiacom/technicalProgrammeCommittee.asp>
- **Technical Programme Committee Member**, 6th *International Conference on Information Engineering and Management (ICIEM 2020)*, **New Delhi, India.** <http://bvicam.ac.in/indiacom/ICIEM.asp>.
- **Technical Program Committee Member** “ *International Conference on CyberSecurity in Emerging Digital Era (ICCEDE)*” organized by Department of Master of Computer Application, **GL Bajaj Institute of Technology and Management, Greater Noida/Delhi-NCR Region, 24-25 July, 2020.** <https://www.glbitm.org/iccede2020/Committee.html#>

Membership of Professional/ Editorial Board /Academic Board /Council:

- **Member of Editorial Board** of International Journal of Advances in Engineering & Technology (IJAET).
- **Member of Editorial Board** of Australian Journal of Computer Science and Engineering (AJCSE), <http://ilab-australia.org/AJCSE/>
- **Member of Editorial Board** of International Journal of Education (IJE), https://airccse.com/ije/ije_leaflet.pdf
- **Member of Editorial Board** of International Journal of Information Technology and Computer Science (IJITCS), <http://www.mecs-press.org/ijitcs/board.html>
- **Member of Editorial Board of** International Journal of Computer and Information Technology (IJCIT), <https://www.ijcit.com/editorial.php>
- **Member of Editorial Board** of International Journal of Computer Science Engineering (IJCSE) <http://www.ijcse.net/editorial.php>
- **Member of Editorial Board** of Indian Journal of Computer Science and Engineering (IJCSE) <http://www.ijcse.com/ijcse-editorialboard.html>
- **Member of Editorial Board** of International Journals of Management, IT & Engineering (IJMIE) https://www.ijmra.us/editor_ijmie.php
- **Member of Editorial Board** of International Journal of Education (IJE), <https://airccj.org/edu/editorial.html>
- **Member of Editorial Board** of The International Journal of Managing Information Technology (IJMIT), <http://airccse.org/journal/ijmit/ijmitleaflet.pdf>
- **Member of Editorial Board of** International Journal of Inventions in Engineering and Science Technology (IJIEST) <http://ijiest.in/editorboard.php>
- **Member of Editorial Board of** International Journal of Recent Developments in Engineering and Technology (IJRDET), http://crispproject.com/entertainment_21/editorial.html
- **Member of Editorial Board** of International Journal of Computer Science Engineering and Technology (IJCSET).
- **Member of Editorial Board** of International Journal in Foundations of Computer Science & technology (IJFCST).
- **Member of Editorial Board** of Journal of Information Technology, and Organizations (JITO).

- **Member of Advisory Board** of IIMT Journal of Information Technology.
- **Member of Advisory Board** of International Journal of Management & IT.
- **Reviewer** of International Journal of Computers and Applications (IJCA)-ACTA press, Canada.
- **Reviewer** of International Journal of Interactive Mobile Technologies (IJIM).
- **Reviewer** of International Journal of Computer Science, Issues.
- **Reviewer** of number of International Conferences.
- Worked as a **Member of the Board of Studies (BOS)** of the Department of Computer Science at Jamia Hamdard New Delhi.
- Worked as a **Member of the Academic Council** of Jamia Hamdard.
- **Member of Faculty Committee** of Faculty of Science, AMU, Aligarh during 2010-2012.
- Worked as a **Member of Department Council** of Information and Computer Science Department of King Fahad University of Petroleum & Minerals (KFUPM), Dhahran, KSA.
- Worked as a **Member of College of Computer Science & Engineering Council** of Ittihad University, U.A.E.
- **Reviewer** of IEEE Transaction on Image Processing, USA.
- **Member of Board of Studies (BOS)** for the Department of Computer Applications, M.A. Jauhar University, Rampur.
- **Reviewer** of British Journal of Applied Science & Technology.
- **Member of Editorial Board** of American Journal of Circuits, Systems and Signal Processing, USA.
- **Member of Editorial Board of** International Journal of Recent Development in Engineering and Technology.
- **Member of International Editorial Board** of IJMIE.
- **Member of Review Board** of IRJIE.
- Member of Review Board of International Research Journal of Innovative Engineering" (IRJIE).
- **Member of Editorial Board** of International Journals of Management, IT & Engineering (IJMIE).
- **Member of Editorial Board** of International Journal of Computer and Information Technology (IJCIT).

- **Member of Editorial Board** of International Journal of Computer Science Engineering (IJCSE).
- **Member of Editorial Board** of International Journal of Research in Advance Technology in Engineering (IJRATE).

Administrative Experience:

- Working as a **Chairman**, Department of Computer Science, AMU, Aligarh, India **since March 12, 2020** for **next 03 years**.
- **Chief**, University Employment and Guidance Bureau, AMU, Aligarh, during **Feb 2014-Feb 2017**.
- **Member of Committee** for Advanced Studies & Research (**C.A.S.R**) of the Faculty of Science, Aligarh Muslim University, Aligarh, India, from **31.12.2012** to **30.12.2014**.
- **Pro Proctor**, AMU, Aligarh, since **January 2016**.
- Worked as a **Chairman** (*officiating*) in the Department of Computer Science, A.M.U, Aligarh, India, during 2009-2011.
- Worked as a **H.O.D**, *in the Department. Of Computer Science, at Poona College, (University of Pune)*, during 1994-97.
- **Prepared 12th Five Year Plan Proposal of the Department of the Computer Science**, AMU, Aligarh, for the submission to the UGC New Delhi. Proposed two new M.Sc (Computer Science) and B.Sc (Computer Science) Programmes.
- **Member of the Committee constituted by the Dean Faculty of Science**, A.M.U regarding the XIIth Five Year Plan Proposal for newly proposed M.Sc (Computer Science) and B.Sc (Computer Science) programmes of Department of Computer Science to redraft the XIIth Plan Proposal according to the new format of the UGC.
- **Member of the Committee constituted by the Dean Faculty of Science**, A.M.U regarding the XIIth Five Year Plan Proposal for newly established "Interdisciplinary Department of Remote Sensing & GIS Applications" under Faculty of Science to redraft the XIIth Plan Proposal according to the new format of the UGC.
- **Advisor**, in the Committee constituted by **Hon'ble Vice-Chancellor**, AMU, Aligarh to look into various issues related to implementation/up gradation/maintenance of the Software "AMU Information Management System".
- **Member of committee** constituted by **Hon'ble VC of AMU** for CISCO Active Networking item under Vth phase of campus wide networking project of AMU since **Nov. 18, 2014**.
- **Member of committee** constituted by **Hon'ble PVC** to review admission process of AMU for all courses of AMU, **December 31, 2013**.

- **VC nominee** in the local selection committee for the post of Guest Faculty in the Computer Engineering Department of AMU during **Oct. 14, 2013, Sept. 13, 2014, Sept. 25, 2014 and July 28, 2015.**
- **VC nominee** in the interview board of AMU 9th class admission for the **session 2016-17.**
- **VC nominee** in the local selection committee for the post of Part-Time Teacher (Computer) at AMU City High School during **Aug 08, 2014 and September 13, 2014.**
- **Hon'ble VC** has appointed me as a Technical Expert of condemnation committee to consider the condemnation of items pertaining to the finance & accounts department of AMU, **Nov 15, 2014.**
- Worked as a **Judge for the debate** "Will AI surpass human intelligence" conducted by the Science Society of Women's College, AMU, Aligarh, **December 08, 2012.**
- Member of **Departmental Research Committee** during **March 2010-Nov 06, 2013** and from **Oct 24, 2014 - till date.**
- **Guest of Honour**, on the auspicious occasion of "ZEEST 4.0" (Open University Common Room Fest) organized by **M.H. Hall AMU, Aligarh, Feb. 13, 2014.**
- Member of **weeding committee** for the books and magazines of seminar library of the department during **Aug 16, 2014 - till date.**
- Industry-implant training and placement activity by presiding over career counselling camp/seminar organized by UEIGB & TPO general for AMU students at cultural Hall of M.A. Library AMU, **Aug 27, 2014.**
- Member of **High Power Committee constituted by VC of Agra University** regarding automation of Examination System of Agra University, **September 09, 2014.**
- Member of **Anti-Raging Committee** of department **since Aug 2013.**
- Member of **NAAC General Committee/Research Committee** of the Department for NAAC accreditation, **January 21, 2015.**
- Worked as a **Chairman** of **Educational Support Services Council** at Ittihad University, Ras Al Khaimah, U.A.E.
- Worked as a **Chairman** of **Curriculum Revision Committee** at Ittihad University, UAE.
- Worked as a **Course Coordinator** of various courses in the ICS Department of King Fahad University of Petroleum & Minerals, KSA.
- Worked as a **Member of "publicity & publication committee"** of the Information and Computer Science Department of King Fahad University of Petroleum & Minerals, KSA.

- Worked as a **Member of “CCSE Graduate Program Committee”** at King Fahad University of Petroleum & Minerals, KSA.
- *Worked as a Member of Various Interview Boards of MCA / BCA / MCS / BCS / MCM /PhD admissions in different Universities.*
- Worked as a **Member of Examination Committee** at Ittihad University, UAE.
- Worked as a **Deputy Superintendent** in various MCA/BCA Examinations of Hamdard University and *conducted all exams very smoothly.*
- Worked as an **Examiner of PhD thesis** of Allahabad University, Jamia Hamdard University and many others.
- Worked as **In-charge, Research Lab**, Department of Computer Science, AMU, Aligarh.
- Member of **Purchase Committee** of the Department of Computer Science, AMU, Aligarh.

National/International Conferences/Workshops Attended (Details of each one of them):

Name of the Seminar/ Conference/ Symposia/ Workshop.	Name of the Sponsoring Agency	Place and Date
“Fourth International Workshop on Information & Computer Science (WICS-2002)”	KFUPM, KSA.	KFUPM, KSA , during March 17-18, 2002
“International Computer Conference on Information & Computer Science (ICICS ‘04)”	KFUPM, KSA.	KFUPM, KSA, during November. 28th to Dec 01, 2004
Second International Conference on Internet Monitoring and Protection (ICIMP-2007).	IEEE Computer Society.	Silicon Valley, California, U.S.A during July 1-5, 2007
“National Workshop on Network Security and Applications (NSA-2011)	AMU, Aligarh.	Women’s Polytechnic, AMU, Aligarh, during February 5th - 6th, 2011.
Third Kuwait Conference on e-Services and e- Systems (KCESS-2012).	ACM & Kuwait University.	Kuwait University, Kuwait, during December 18th -20th, 2012.
International Joint Conferences on ACE, AET, ComNet and PCIE 2014.	Mc-Graw Hill Education Professional.	Kochi, India December 2014.

INDIACom-2015 2015 2nd International Conference on “Computing for Sustainable Global Development	IEEE, DST & BVICAM.	Bharati Vidyapeeth’s Institute of Computer Applications and Management (BVICAM), New Delhi. 11th – 13th March, 2015.
INDIACom-2016 2016 3rd International Conference on “Computing for Sustainable Global Development.	IEEE, DST & BVICAM.	Bharati Vidyapeeth’s Institute of Computer Applications and Management (BVICAM), New Delhi. 16th -18th, March, 2016.
INDIACom-2016 2016 3rd International Conference on “Computing for Sustainable Global Development	IEEE, DST & BVICAM.	Chaired a session in INDIACom-2016 on 18th March, 2016.

**Invited Lectures and Conference Chair at National or International
Conference/Seminar etc:**

S. No	Title of Lecture/Academic Session	Title of Conference/ Seminar etc.	Organized by	Whether International/ National	As a:
1	“How to use Web Based Approach in Effective Teaching”. (Date: 23-01-2010).	Refresher Course in Statistics	Academic Staff College, A.M.U.	National	Resource person.
2.	“Operating Systems”. (Date: 25-07-2011).	Orientation course (ASOP-116)	Academic Staff College, A.M.U.	National	Resource person
3.	“Use of ICT for Effective Teaching”. (Date: 13-12-2010).	Refresher course. (SRC in Computer Application).	Academic Staff College, A.M.U.	National	Resource person
4.	“Programming”. (Date: 15-09-2011).	Refresher course. (SRC in Computer Application).	Academic Staff College, A.M.U.	National	Resource person
5.	“Computer Programming”. (Date: 11-12-2010).	Refresher course. (SRC in Computer Application).	Academic Staff College, A.M.U.	National	Resource person
6.	“Computer Viruses and their Protection” (Date: 05-02-2011).	National Workshop on Network Security and Applications (NSA-2011)	Women’s Polytechnic, AMU.	National	Resource person

7.	“Current Trained in Parallel and Distributed Computing”. (Date: 20-12-2012).	Invited Lecture.	Kuwait University, Kuwait.	International	Resource person
8.	“C-Programming”. (Date: 19, 20 & 21.12.2013). Three Lectures.	Refresher course. (SRC in Computer Application).	Academic Staff College, A.M.U.	National.	Resource person

Rating in Teaching Evaluation by Students:

- In the Poona College (*University of Pune*) at the end of *each semester*, teacher’s teaching performance was evaluated by the students of the class and in each semester I received **A+ rating** (*It was highest rating in the College*).
- In the King Fahd University of Petroleum & Minerals (*KFUPM*), *K.S.A* at the end of *each semester*, teachers teaching performance was evaluated by the students of the class and in each semester I received average evaluation in the range of **≈8.5-9.0 out of 10.**
- In the Ittihad University (*IU*), *U.A.E* at the end of *each semester*, teachers teaching performance was evaluated by the students of the class and in each semester I received average teaching evaluation **above 90%.**

Curriculum and Syllabus Designed/Revised:

- **Designed Curriculum and Detailed Syllabus** for newly started M.C.A Course of Jamia Hamdard in September, 1997.
- **Drafted revised Syllabi of B.C.S Course of University of Pune** and submitted in the Workshop on “BCS Syllabus Restructuring” held at Nowrosjee Wadia College (**University of Pune**), Pune, India during 2nd and 3rd September, 1996.
- **Revised Curriculum and Detailed Syllabus** of B.S (Computer Science) degree Programme of Ittihad University, Ras Al Khaimah, **U.A.E** in Feb 2008.
- **Revised curriculum and detailed syllabus** of M.C.A/BCA programs of Aligarh Muslim University, Aligarh, India in May 2010.
- **Designed detailed syllabus of PhD coursework** in Department of Computer Science at AMU, Aligarh in 2010.
- **Designed Syllabus for the Training Programme** “Use of ICT for Teaching & Research”, organized by Computer Centre, AMU for the Faculty members of AMU. Aligarh in Nov. 2009.

- **Revised curriculum and detailed syllabus** of M.C.A/BCA programmes of Aligarh Muslim University, Aligarh, India, in May 2015 as per new Credit Based System (CBS System).

Preparation of Resource Material Including Reading Materials, Handouts, Laboratory Manuals, etc:

- **Prepared Laboratory Manuals for ICS431 (Operating Systems)** course of Information and Computer Science (ICS) Department at King Fahad University of Petroleum & Minerals(KFUPM), Dhahran, KSA.
- **Developed Excellent Online Teaching Materials for the ICS102: *Introduction to Computing using JAVA and ICS103: Programming using C*** courses of Information and Computer Science (ICS) Department at King Fahad University of Petroleum & Minerals (KFUPM), Dhahran, KSA.
- **Developed Excellent Online Teaching Material** for the Data Structures, Artificial Intelligence, Object Oriented Programming using JAVA, Programming Languages Theory & Practice, Systems Programming, Files & Storage Structures and Software Specifications & Design courses of Department of Computer Science at Ittihad University, U.A.E.
- **Developed Excellent Online Lecture Handouts** for Programming & Problem Solving using C-Language, Object Oriented Programming using C++ and Object Oriented Programming using JAVA courses of MCA programme of AMU, Aligarh. I always use them as a supplementary material with traditional class teaching to enhance effectiveness in our teaching. For more information you may please visit at: <http://www.drrafiq.org>

Fellowship/Scholarships:

- Received UGC Merit Scholarship during MCA III 'rd year study.
- Received departmental merit scholarship during M. Sc (Physics) study at A.M.U

Participation in Teachers Training Program:

- **Participated in One-Month's Teachers Training Program (Orientation Course** Funded by University Grant Commission, Govt. of India) at Academic Staff College, Aligarh Muslim University, Aligarh, India, during **November 15, 1999 to December 14, 1999**. The objective of this training was to learn how to become effective University teacher.
- **Participated in workshop** entitled "**How to be an Effective University Teacher**" offered by the Academic Development Center, K.F.U.P.M, Dhahran, K.S.A during **September 7-8, 2002**, which was conducted by Prof. Henry Irvine Effington, **Robert Gordon University, UK**.

Distinguished achievements:

- Jamia Hamdard University, New Delhi (*Accredited by NAAC in 'A' Grade*) appointed me as a **Reader in absentia** against permanent post in 2004 and **VIT University**, Vellore (*Accredited by NAAC & ABET*) as a **Professor** with very high salary in 2008 but I did not join because of personal reasons.
- A.M.U, Aligarh offered me post of **Reader in absentia** in May 2009 and I joined on August 22, 2009 and after joining AMU, Aligarh my major contribution is revision of MCA/BCA Syllabus as per the IT market needs and introduced PhD program in the Department.
- I have **26 years** of Teaching Experience of various reputed International and National Universities viz., King Fahad University of Petroleum & Minerals (**KFUPM-it comes under top 200 Universities of the world**), K.S.A; Ittihad University (**IU**), U.A.E; Poona College of Pune University; Jamia Hamdard University, New Delhi; and A.M.U, Aligarh.

Subjects Taught at UG/PG/PhD Level:

- Load balancing in cloud computing.
- Research Methodologies.
- Parallel & Distributed Computing.
- Gesture Recognition for Hand Image Postures.
- IT Marketing Research.
- Object Oriented Programming using C++.
- Object Oriented Programming using JAVA.
- Operating System (OS)
- Unix & Shell Programming.
- Programming and Problem Solving Using 'C'.
- Computer Organization and Systems Programming.
- Computer Architecture.
- Computer Organization & Assembly Programming.
- Management Information System (M.I.S).
- Information Systems for Decision Making (I.S.D).
- Artificial Intelligence (A.I).
- Data Structures using C++.
- C and Data Structures.
- Software Specifications & Design.
- File & Storage Structure.
- System Programming.
- Programming Languages Theory & Practice.

Personal Details:

Name : **Prof. (Dr.) Rafiqul Zaman Khan.**
Father's Name : *Janab. Abdul Sattar Khan*
Nationality : Indian
Sex : Male
Home town in India : Kannauj/Farrukhabad (U.P).
Languages Known : English & Hindi.

Correspondence Address : Department of Computer Science,
Aligarh Muslim University,
Aligarh-202002 (U.P),
INDIA.

(Dr. Rafiqul Zaman Khan)