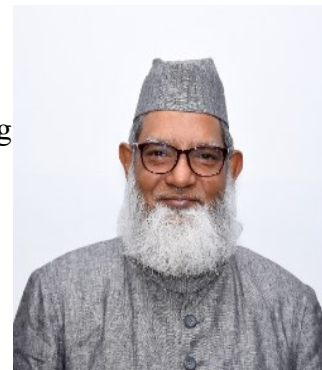


Curriculum Vitae

- | | | |
|-----|---------------------------------|---|
| 1. | Name | ABDUL QUAIYUM ANSARI |
| 2. | Designation: | Professor |
| 3. | Office Address: | Department of Electrical Engineering |
| | Telephone: | 26981717 Ext. 2346 |
| 4. | Residential Address: | 63-T, Sector-8, DDA-SFS Flats Jasola Vihar, New Delhi-110025 |
| | Mobile: | +91-9873824597 |
| 5. | Email: | aqansari@jmi.ac.in , aqansari@ieee.org |
| 6. | Date of Birth: | 08 August 1962 |
| 7. | Date of Joining Service J.M.I.: | 08 October 1984 |
| 8. | Field of Specialization: | High Performance Power Semiconductor Devices, Data Communication and Computer Networks, Soft Computing. |
| 9. | Teaching Experience: | 37 Years |
| 10. | Research Experience: | 30 Years |



11. Employment Profile

| Job Title | Employer | From | To |
|--|---|--------------|--------------|
| Professor (Permanent) | Department of Electrical Engineering Faculty of Engineering and Technology Jamia Millia Islamia, New Delhi. | Aug.18, 2000 | Cont... |
| | Head of the Department: 3 years | 15 May 2008 | 14 May 2011 |
| Professor (On deputation from JMI) | Department of Computer Science Jamia Hamdard (Hamdard University) New Delhi – 110 062 | 31 Mar. 2001 | 03 Aug. 2004 |
| | Head of the Department: ≈ 4 ½ years | 31 Mar. 2001 | 03 Aug. 2004 |
| | Dean, Faculty of Management Studies and Information Technology: ≈ 2 years | 01 Nov. 2002 | 03 Aug. 2004 |
| Assoc. Professor (On EOL from JMI) | College of Computer Science King Khalid University, Kingdom of Saudi Arabia | 06 Dec. 2005 | 21 June 2007 |
| Reader | Department of Electrical Engineering Jamia Millia Islamia , New Delhi. | Aug.1992 | Aug.2000 |
| Sr. Lecturer | ----- do ----- | Oct.1990 | Aug.1992 |
| Lecturer | ----- do ----- | Nov.1987 | Oct.1990 |
| Lecturer | University Polytechnic, JMI, New Delhi. | Oct.1984 | Nov.1987 |

12. Academic Qualifications (From Highest Degree to High School)

| Examination | Board / University | Year | Division/ Grade | Subjects |
|--------------|---------------------------------------|------|-----------------|---|
| Ph. D. | JMI, New Delhi | 2000 | - | Hierarchical Fuzzy Control for Industrial Automation |
| M. Tech. | IIT Delhi | 1991 | First | Integrated Electronics and Circuits |
| B. Sc. Engg. | AMU Aligarh | 1984 | First (Hons.) | Electrical Engineering (Low Current) |
| P. U. C. | AMU Aligarh | 1979 | First | Physics, Chemistry, Mathematics, English, Hindi, Urdu |
| High School | Bihar School Examination Board, Patna | 1978 | First | Physics, Chemistry, Mathematics, English, Hindi, Sanskrit, Social Studies |

13. Academic/Administrative Responsibilities

| Sl. No. | Post | Institution/ University | Duration | |
|---------|---------------------------------------|--|---------------|--------------|
| | | | From | To |
| 1. | Head of the Department | Department of Comp. Sc., Jamia Hamdard, New Delhi. | 31 Mar. 2001 | 03 Aug. 2004 |
| | | Department of Electrical Engineering, JMI, New Delhi. | 15 May 2008 | 14 May 2011 |
| 2. | Chairman Board of Studies | Department of Computer Science, Jamia Hamdard, New Delhi. | 31 Mar. 2001 | 03 Aug. 2004 |
| | | Dept. of Electrical Engineering, Jamia Millia Islamia, New Delhi. | 15 May 2008 | 14 May 2011 |
| 3. | Member of the Board of Studies | Dept. of Electrical and Electronics Engg, Manav Rachna International Institute of Research and Studies (Deemed to be University), Faridabad. | 11 April 2022 | Cont... |
| | | Member of the School Board, School of Technology, MANUU, Hyderabad. | 19 Aug. 2020 | Cont... |
| | | Dept. of Electronics and Comm. Engg., JMI, New Delhi | April 2018 | March 2021 |
| | | JSS Academy of Engineering and Technology, NOIDA | July 2018 | Cont... |
| | | Department of Computer Science, AMU Aligarh. | 19 Sep. 2010 | 18 Sep. 2014 |

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|----|--|---|---------------|---------------|
| | | Dept. of Electrical Engineering, A. M. U. Aligarh | 18 April 2009 | 17 April 2011 |
| | | Department of EEE, North Cap University, Gurugram | February 2009 | Feb. 2015 |
| | | School of Engineering, Gautam Buddha Univ., Greater NOIDA | January 2009 | Jan. 2015 |
| | | Vinayaka Missions University, Malaysia Campus, Kuala Lumpur | Jun 2009 | June 2012 |
| | | Women's Polytechnic, A. M. U. Aligarh | 30 April 2005 | 29 April 2007 |
| | | P.G. Dept. of Electronics and Instrumentation Technology, University of Kashmir, Srinagar | 01 July 2003 | 30 June 2006 |
| 4. | Dean of Faculty | Faculty of Management Studies and Information Technology, Jamia Hamdard, NewDelhi | 01 Nov. 2002 | 03 Aug. 2004 |
| 5. | Member of the Academic Council | Graphic Era (Deemed to be University), Dehradun. | 24 Feb. 2022 | Cont... |
| | | Academic Advisory Council Member of the Mewat Engineering College, Nuh, Haryana. | 16 March 2020 | Cont... |
| | | G. B. Pant Engg. College, Pauri Garhwal (Uttarakhand) | Jan 2017 | Jan 2020 |
| | | Baba Ghulam Shah Badshah University, Rajouri, (J&K) | July 2016 | July 2019 |
| | | Jamia Millia Islamia, New Delhi | 15 May 2008 | 14 May 2011 |
| | | Jamia Hamdard, New Delhi | 31 Mar 2001 | 3 Aug 2004 |
| 6. | Member of the Executive Council | Bhagwant University, Rajasthan | March 2008 | March 2011 |
| | | Indian Society for Technical Education (ISTE), New Delhi | 01 Jan. 2003 | 31 Dec. 2005 |
| | | IEEE Delhi Section | Jan 2009 | Cont... |
| 7. | Membership of Professional Bodies | | | |
| | Fellow | Institution of Engineers (India) | Aug. 2003 | Cont... |
| | Fellow | Institution of Electronics and Telecommunication Engineers (IETE) | Aug. 1996 | Cont... |
| | Fellow | National Telematics Forum, India. | Oct.1997 | Cont.. |

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|----|--|---|--------------|--------------|
| | Sr. Member | IEEE, U.S.A. | Nov. 2000 | Cont... |
| | Sr. Member | Computer Society of India (CSI) | Aug. 2002 | Cont... |
| | Life Member | Indian Society for Technical Education | 1988 | Cont... |
| | Life Member | Indian Science Congress Association | 1997 | Cont... |
| 8. | Other (specify) | | | |
| | PMRF Coordinator | Prime Minister Research Fellowship, Jamia Millia Islamia, New Delhi | 14 Nov. 2019 | Cont... |
| | Executive Vice Chairman | IEEE Delhi Section | Jan 2021 | Cont... |
| | Vice Chairman | IEEE Delhi Section | Jan 2020 | Dec. 2020 |
| | Chairman | Students Activities Committee, IEEE Delhi Section | Jan. 2020 | Dec. 2020 |
| | Executive Vice Chairman | IEEE Delhi Section | Jan 2019 | Dec. 2019 |
| | Member, BOG | G. B. Pant Engineering College, Pauri Garhwal, Uttarakhand | 2016 | 2019 |
| | Jury Member, National Awards Committee | For MSMEs, National Productivity Council, Ministry of Commerce and Industry, Govt. of India | 2016 | 2018 |
| | Vice Chairman | IEEE Delhi Section | Jan. 2015 | Dec. 2018 |
| | In-charge | Literary and Cultural Activities, Faculty of Engg. & Tech., JMI | Jan. 2012 | Dec. 2014 |
| | Chairman | Computational Intelligence Society (CIS) Chapter, IEEE Delhi Section | Jan. 2011 | Dec 2015 |
| | Member, Court | Jamia Millia Islamia, New Delhi | 2010 | 2011 |
| | Member, BOG | Maharaja Surajmal Institute of Technology, New Delhi | 2010 | 2018 |
| | Hony. Secretary | ISTE-JMI Chapter | 2010 | Cont... |
| | Coordinator | B.E. Electrical (Part-time), JMI | Jan. 2008 | Dec. 2008 |
| | Member | Planning and Monitoring Board, Periyar Maniammai University, Thanjavur, T.N. | 17 Aug. 2007 | 16 Aug. 2014 |
| | Member, BOG | Apeejay Institute of Technology, Greater NOIDA | April 2005 | April 2014 |
| | Hony. Executive Secretary | Indian Society for Technical Education (ISTE), New Delhi | April 2005 | July 2005 |

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|------------------------------|--|-----------|-----------|
| Member, Board of Research | Bharati Vidyapeeth Deemed University, Pune | Jan. 2004 | Dec. 2006 |
| Member, Advisory Council | Institute of Management and Technology, Ghaziabad | Nov. 2003 | Nov. 2011 |
| Assistant Proctor | Jamia Millia Islamia, New Delhi | 1994 | 1997 |
| Program Officer, NSS | Jamia Millia Islamia, New Delhi | 1994 | 1998 |
| Founder Counselor | IEEE-JMI Students' Branch | Jan. 1993 | Dec. 1998 |

14. Awards/ Fellowships/ Editorship etc.

1. **Margdarshak** under the Margdarshan Initiative of AICTE, since 04 March 2022.
2. **Distinguished Visiting Professor**, Vinayaka Mission's Research Foundation (Deemed to be University), Salem, Tamilnadu, since 18 Feb. 2022.
3. **Guest Editor** of the Special Issue on Recent Trends in Low-Power VLSI and Embedded System of the Journal "Recent Advances in Electrical & Electronic Engineering", Bentahm Science, Volume 14, Issue 4, 2021. DOI: 10.2174/235209651404210420093624.
4. **Dr. Zakir Hussain Award for Educational Services**, presented by Al-Hind Taleem-e-Jadeed Foundation, New Delhi, 24th Feb. 2018.
5. **Guest Co-Editor**, International Journal of VLSI Design and Communication Systems, Special issue on Emerging Trends in On-Chip Communications. Publisher: InderScience, Switzerland, Vol. 5, Nos. 1 and 2, 2013.
6. **Award for Eminent Educationist**, presented at the Indo-Global Education Summit 2013, New Delhi, The Indus Foundation, U.S.A. and India. 2013.
7. **Rajarambapu Patil National Award for Promising Engineering Teacher for Creative Work Done in Technical Education for the year 2011**, Indian Society for Technical Education, New Delhi.
8. **Outstanding Volunteer Award**, as Chairman of IEEE CIS Delhi Chapter, IEEE Delhi Section, 2011.
9. **Recognition by the Stanford University**: Responding to an open challenge floated by the Stanford University, California, USA, I along with two students of my department, succeeded in building an Internet Router using Virtual Network System (VNS). The work has been duly recognized by the international community and the name of Jamia Millia Islamia and Prof. A Q Ansari has been listed on the **Website of the Stanford University** along with other fifteen top class universities of the world, who have successfully implemented the given task(s). The complete list of universities working on this assignment was then given on the Stanford website. <http://yuba.stanford.edu/vns/>. The matter was also reported as news item in the Education Times of the Times of India on 4th May 2009.

10. Received the Best Paper Presentation Award at the 88th **Indian Science Congress**, 2001, New Delhi.
11. Reviewer of Papers:
 - (i) AEÜ - Int. Journal of Electronics and Communication (Elsevier)
 - (ii) ACM Transaction on Internet Technology
 - (iii) CSI Transactions on ICT
 - (iv) Int. J. RF and Microwave Computer-Aided Engineering, (Wiley)
 - (v) IET Microwave, Antennas & Propagation
 - (vi) Int. J. of Circuit Theory & Applications (Wiley)
 - (vii) International Journal of Electronics, U.K.
 - (viii) Advances in Electrical and Electronic Engineering

15. Details of Academic Work

(i) **Laboratory and Curriculum Development**

- a) Established the research facilities in the area of Soft Computing in the Department of Electrical Engineering with generous grants from AICTE and UGC, which is now being used extensively by the students and staff for their R&D work.
- b) Established two laboratories in the Department of Electrical Engineering, viz., the Communication Systems Lab and Data Communication Lab, with state of the art facilities for UG and PG students.
- c) Developed the **Course Curriculum** for the B. Tech. (E&C) for the University in the year 1990.
- d) Member, Course Revision Committee for the Department of Electrical Engineering in the year 1986-87.
- e) Prepared Laboratory Manuals for the Analog Electronics, Digital Electronics, and Communication System Laboratories of the Department of Electrical Engineering in the University.
- f) I have also been involved with the **Curriculum Development** of undergraduate and Postgraduate courses of engineering/ computer application of various institutes viz., Jamia Hamdard, New Delhi; BGSBU, Rajouri, J & K; PMU, Thanjavur, T.N.; Gautam Buddha University, Greater NOIDA; Vinayaka Missions University, Malaysia Branch Campus, Kuala Lumpur, Malaysia, etc.
- g) Member, **Curriculum Development Committee** at the King Khalid University, Saudi Arabia where I developed the curriculum for the new Department of Communication and Computer Networks Engineering.

(ii) **Courses taught at Postgraduate and Undergraduate levels**

Undergraduate level:

- a) Communication Systems
- b) Analog Electronics
- c) Digital Electronics
- d) Electronics Design
- e) Electromagnetic Fields Theory

- f) UHF and Microwave
- g) Data Communication and Computer Networks
- h) Numerical Analysis and Computer programming
- i) Power Electronics

Postgraduate level:

- a) Digital Communication
- b) Communication Protocols
- c) Data Security and Cryptography
- d) Artificial Intelligence and Soft Computing
- e) Mathematical Modeling and Computer Simulation

(iii) Major Projects / Dissertations guided at Postgraduate level

- D27. IoT-Based ECG System for Arrythemia Detection Using Telemetry Monitoring, Mohd. Aqib, Dec. 2021.
- D26. Development of Contactless Dry ECG Electrodes for Long Term Monitoring, Mubasshir Javed Ansari, Dec. 2021.
- D25. A Simplified Direct Parameter Extraction and Validation Method for Gallium Nitride High Electron Mobility Transistor (HEMT), Peer Athar Rasool, June 2020.
- D24. An Accurate Small Signal Parameter Extraction Method for Gallium Nitride High Electron Mobility Transistors, Ambar Abdullah Koul, June 2020.
- D23. Extraction of Small Signal Parameters of AlGa_N/Ga_N High Electron Mobility Transistors (HEMT) Using ANN and GANN, Rubina Khan, June 2020.
- D22. An Improved Direct Digital Converter for Bridge Connected Resistive Sensor, Deeba Ashique, Sep. 2019
- D21. Design of Microstrip Patch Antenna with FR-4 Substrate Using CST Microwave Studio Suite, Rajendra Patel, Sep. 2019
- D20. An Advance, Fast and Precise Machine Learning Mased Modelling Techniques for AlGa_N/Ga_N HEMT, Saddam Hussain, July 2019.
- D19. Design and Analysis of Contactless Capacitive Electrocardiogram (ECG) System, Aftab Alam, Oct. 2018.
- D18. Direct Digital Converter for Impedance Sensors, Syed Sajid Rizvi, Sep. 2018.
- D17. Modeling and Analysis of AlGa_N/Ga_N High Electron Mobility Transistor (HEMT), Aditya Mishra, July 2017.
- D16. Design and Analysis of Metamaterials and its Application in Performance Enhancement of Microstrip Patch Antenna / Antenna Array, Wasim Akaram, July, 2017.
- D15. Analysis, Design and Modelling of Memristor Emulator and its Application in FM Detector Circuit, Zeba Mustaqueem, August 2016.
- D14. Leakage Power Reduction in SRAM Cell Using Circuit Level Approach in 65 nm Technology, Manisha Rajpurohit, August 2016.
- D13. Design of Low Power SRAM Cell with Improved Stability, Javed Akhtar Ansari, June 2015.
- D12. Performance Evaluation of Classifier Techniques to Discriminate Odor with an E-Nose, Ahmad Khusro, June 2015.

- D11. Improvement in the Dynamic Performance of a Direct Torque Controlled Induction Motor Drive Using Fuzzy Logic, Huma Fatima, June 2013.
- D10. Power Line Communication: Channel Characteristics and Modulation, Mohd. Saquib Faraz, October 2012.
- D9. Power Line Communication Channel Modelling for Motor Controlling as Industrial Application, Mayank Jain, September 2011.
- D8. Fuzzy Logic Based Modelling and Estimation of Global Solar Energy in India, Chanchal Kumar Yadav, September 2011.
- D7. Mitigation of Sub-Synchronous Resonance with the Help of Lag-Lead Compensator, by Bajrangi Maurya, July 2010.
- D6. Home Network PLC Signal Processing Based on Wavelet Packet Analysis, by Abrar Ahmad, July 2009.
- D5. Sub-Synchronous Resonance Mitigation with the Help of Lag-Compensator, by Mashhood Hasan, July 2009.
- D4. Design and Development of a Business Model for Manufacturing and Sales System, Abubakr Shahrah, King Khalid University, KSA, May 2007.
- D3. GIS for Oil Fields Distribution in Saudi Arabia, by Eman Mohammad Ganem, King Khalid University, KSA, May 2007.
- D2. Traffic Signal Design Using Fuzzy Logic, by Omar Saad Muhammad, King Khalid University, KSA, May 2007.
- D1. Three Phase Power Transformer Protection Using Wavelet Packet Transform (WPT), Md. Ibrar Noor, Sep. 2005.

16. Details of Funded Research Projects

| S. No. | Title of Project | Funding Agency | Duration | | Status |
|--------|---|--|----------|------|------------------------|
| | | | From | To | |
| 1. | On Chip 3D Simulator for Network-on-Chip (NoC) | UGC - MRP Amount: 8.94 Lakhs | 2011 | 2013 | Principal Investigator |
| 2. | Fuzzy Decision Support System for Metropolitan Traffic Control | AICTE- R & D Project Amount: 10.00 Lakhs | 2002 | 2005 | Principal Investigator |
| 3. | Hierarchical Fuzzy Control System for Industrial Automation of INR 1.2 million. | AICTE-TAPTEC Project (Thrust Area Project in Technical Education) Amount: 12.00 lakhs | 1996 | 1999 | Completed (Co-PI) |

17. Consultancy Provided to Industries

| S. No. | Company/Industry Name | Work/Assignment Title | Service Provided |
|--------|-----------------------------------|--|---|
| 1. | ONNYX Electronics Delhi-110092 | “Survey, Design, Supply of Traffic Hardware, Installation, Commissioning & Operation of the Traffic Systems (In Stand Alone Mode)” | Free Consultancy Since 5 th May 2012 Cont... |

18. **PhD Guidance**

| S. No. | Name of the PhD Scholar | Title of PhD Thesis | Guide/ Co-Guide (if any) | Date of Award |
|--------|-------------------------|--|--|---------------|
| 21. | Gyanesh Singh | Exploration and Correlation Between Neutrosophic and Fuzzy Sets | A. Q. Ansari / Md. Abul Kalam | 28 Feb. 2022 |
| 20. | Ahmad Khusro | Gallium Nitride Device Modeling for Broadband Power Amplifier (Full Time Visvesvaraya Scholar) | A. Q. Ansari/ Dr. M. S. Hashmi, IIT Delhi | 16 Nov. 2021 |
| 19. | Priyanka Sharma | Automatic Onset Detection and prediction System for Seizures | A. Q. Ansari/ Manjari Tripathi, AIIMS, New Delhi | 16 Aug. 2021 |
| 18. | Gagandeep Kaur | Signal Processing Applications Using Current Mode Building Blocks | A. Q. Ansari/ Dr. M. S. Hashmi | 16 Dec. 2020 |
| 17. | Amit Kumar | Investigation on Mutual Coupling Reduction among Microstrip Antennas | A. Q. Ansari / B.K. Kanaujia, JNU, New Delhi | 22 July 2020 |
| 16. | Noorul Islam | Optimization and Reliability Analysis of Intelligent Photovoltaic System | A. Q. Ansari | 16 Sep. 2019 |
| 15. | Mohammad Rashid Ansari | A Scalable Architecture of 3-D Network-on-Chip | A. Q. Ansari / Dr. M. A. Khan | 14 Feb. 2019 |
| 14. | Sapna Katiyar | Ant Colony Optimization Based Adaptive Control System | A. Q. Ansari / Prof. Ibraheem | 03 May 2017 |
| 13. | Mashhood Hasan | Analysis, Design and Control of Unified Power Quality Conditioners | A. Q. Ansari / Prof. Bhim Singh, IIT Delhi | 19 Oct. 2016 |
| 12. | Koyel Datta Gupta | Hybrid Channel Allocation in Wireless Networks Using Soft Computing Concepts | A. Q. Ansari / Prof. P. C. Saxena JNU, New Delhi | 15 Dec. 2015 |
| 11. | Jaspreet Kour | Multimedia Biometrics for Human Authentication | A. Q. Ansari / Prof. M Hanmandlu IIT Delhi | 16 Dec. 2014 |
| 10. | Swati Aggarwal | Neutrosophic Neural Network | Prof. A. Q. Ansari / Prof. Ranjit Biswas | 07 May 2014 |
| 9. | Md. Abul Kalam | Intelligent Techniques based Protection Schemes for Power Transmission System | Prof. Majid Jamil / Prof. A. Q. Ansari | 22 Apr. 2014 |
| 8. | Mohammad Ayoub Khan | Area-Efficient Routing in 3-D Network-on-Chip (NoC) | Prof. A. Q. Ansari | 28 Feb. 2013 |

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|----|--------------------|---|---|--------------|
| 7. | Bindu Garg | Investigation of Soft Computing Techniques for Time Series Analysis | Prof. M M S Beg / Prof. A. Q. Ansari | 26 Dec. 2012 |
| 6. | Farrukh Saeed | Soft Computing Applications in Pattern Recognition for Security Purpose | Prof. A. Q. Ansari / Prof. M Hanmandlu I. I. T. Delhi | 27 Jan. 2012 |
| 5. | Neeraj Kumar Gupta | Neuro-Fuzzy Integrated System with Online Learning Capability | Prof. A. Q. Ansari | 23 Dec. 2011 |
| 4. | Shabana Urooj | Design and Development of Computer Based Biophysical Model for Diagnosing Pulmonary Edema | Prof. A. Q. Ansari / Dr. M. Khan | 13 Oct. 2011 |
| 3. | Vijay Kumar Nangia | On Trustworthy Multicasting in Computer Networks using Softcomputing Tools | Prof. A. Q. Ansari | 15 June 2011 |
| 2. | Ashit Kumar Dutta | Some Applications of Intuitionistic Fuzzy Sets in Searching Problems | A. Q. Ansari / Dr. Ranjit Biswas, | 21 Feb. 2006 |
| 1. | R. Z. Khan | Empirical Study of Task Partitioning, Scheduling and Load Balancing Strategies for Distributed Image Computing System | Prof. A. Q. Ansari | 20 Jan. 2005 |

19. Ph. Ds in Progress

| S. No. | Candidate | Topic | Supervisor/ Co-Supervisor (if any) | Date of Registration |
|--------|-------------------------|--|---|----------------------|
| 1. | Zeba Mustaqueem | Analysis of Memristor Emulator and Design of Memristor based Circuits | A. Q. Ansari/ Md. Waseem Akram, ECE, JMI | 07 Nov 2016 |
| 2. | Nallagundla Suresh Babu | Design of Microstrip Patch Antenna by Improving the Performance Parameters with EBG Structures | A. Q. Ansari / Prof. B. K. Kanaujia, JNU | 22 Dec. 2016 |
| 3. | Md. Shams Tabraiz Alam | Study and Analysis of Bio-friendly Materials for Therapeutic Application(s) | A. Q. Ansari / Dr. Shabana Urooj | 17 Aug 2018 |
| 4. | Aftab Alam | Design and Development of Contactless System for Extraction of Cardiac Feature/s and Activity of Human Body System | A. Q. Ansari / Dr. Shabana Urooj (GBU, Greater Noida) | 08 Feb. 2019 |
| 5. | Rakhshanda Jabeen | Design and Analysis of Brain Implantable Antennas for Biomedical Applications | A. Q. Ansari / Prof. B. K. Kanaujia, JNU | 26 Aug. 2021 |

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|--|----------------------|---|---|---------------------------------|
| 6. | Devraj Gautam | Investigation of Antenna System for Health Monitoring Applications | A. Q. Ansari / Prof. B. K. Kanaujia, JNU | 27 Aug. 2021 |
| Research Scholars under Visvesvaraya Scheme | | | | |
| 7. | Arun Kumar | Analysis and Realization of Signal Processing Circuits based on Fractional Order Elements | A. Q. Ansari / Dr. Mohammad S. Hashmi, IIIT Delhi | 28 Sep. 2015 (Thesis submitted) |
| 8. | Vipin Sharma | Image Processing Application in Multimodal Biometrics | A. Q. Ansari / Dr. Rajesh Mishra | 30 Mar. 2016 |
| Research Scholar under QIP Scheme | | | | |
| 9. | Md. Ejaz Aslam Lodhi | Design and Simulation of High Performance Power Semiconductor Devices | A Q Ansari / Prof. Sajad A. Loan, ECE, JMI. | 22 Nov.2019 |

20. Key Note Addresses / Invited Talks delivered

| S. No. | Topic | Date | Occasion / Name of Institutes |
|--------|--|----------------|--|
| 1. | Panelist at the I-Gauge Live Debate on “ Quality in Higher Education: All Talk and No Action ” organised by the Redefining Institutional Strategy for Excellence (R.I.S.E.) | 25 June 2021 | (Online) KIET, Ghaziabad. Other panelists: 1. Dr. Amita Dev, V.C., IGDTUW 2. Mr. Rajiv Naithani, Global Head - HR Infogain. 3. Ms. Anuradha Sharma, Country Manager, Oracle. |
| 2. | Speaker at the Inaugural Function as Chief Guest at National Conference on Computational Methods and Data Science | 24-25 May 2021 | (Online) School of Computer Sciences and Information Technology, Maulana Azad National Urdu University, Hyderabad. |
| 3. | Key Note Address: New Education Policy and Value System | 28 Jan. 2021 | (Online) IEEE-Aarambh Chandigarh University, Chandigarh |
| 4. | Moderator: Group Discussion among the LIFE MEMBERS of IEEE on their Roles as Leaders in their respective organizations and motivation to the youngsters. | 20 Dec. 2020 | (Online)All India Students Young Professionals (YP) Women in Engineering (WIE) Life Members (LM) Conference (AISYWC-2020), IEEE India Council |

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|-----|---|---------------------|---|
| 5. | Speaker at National Level One Week Online ISTE Short Term Training Programme on Outcome Based Education (OBE) and NBA SAR Filling | 23-28 November 2020 | (Online) Nalla Narasimha Reddy Education Society's Group of Institutions – Integrated Campus, Ghatkesar, Hyderabad. |
| 6. | Inaugural Address: Students' Leadership and Human Values | 05 Oct. 2020 | (Online) IEEE Day Celebrations, MNIT, Jaipur |
| 7. | Inaugural Address: Students' Leadership and Human Values | 29 Sep. 2020 | (Online) Technorax V6.0 ADGITM, New Delhi |
| 8. | Guest Speaker: Impact of Covid-19 on Employment and Livelihood | 24 Sep. 2020 | (Online) Two Days National Webinar on "Diverse Impacts of Covid-19 Pandemic on Human Beings", Malviya Post Graduate College, Deoria, U.P. |
| 9. | Invited Talk: Outcome Based Education and the NBA Accreditation Process (Online) | 10 Sep. 2020 | (Online) Sanjivani College of Engineering, Kopergaon, Maharashtra. |
| 10. | Expert Talk: Neutrosophic Logic: A New Tool in Soft Computing | 01 Sep. 2020 | (Online) STTP on "Soft Computing Techniques and Its Applications" (SCTE-2020), Dr. B R Ambedkar National Institute of Technology , Jalandhar, Punjab. |
| 11. | Invited Talk: Design Thinking and Innovation | 28 June 2020 | Virtual Talk Series on "Inspire to Innovate for Futuristic Engineering", B K Birla Institute of Engineering and Technology, Pilani, Rajasthan. |
| 12. | Invited Talk: Neutrosophic Logic | 09 Sep. 2019 | Punjab Engineering College (Deemed-to-be-University), Chandigarh. |
| 13. | Key Note Address: Neutrosophic Data and Neutrosophic Set Theory | 14 March 2019 | 3 rd Int. Conf. on Data Engineering and Communication Technology (ICDECT-2019), Stanley College of Engg. and Technology for Women, Hyderabad. |
| 14. | Invited Talk: Outcome Based Education | 16 Feb. 2019 | KIET Group of Institutions, Ghaziabad. |
| 15. | Invited Talk: Chronological Progress in Logic Theory: From Classical Logic to Neutrosophic Logic | 28 Dec. 2018 | One Week National FDP on "Research Trends in Information Technology", Islamic University of Science and Technology, Awantipora, J&K. |
| 16. | Key Note Address: From Fuzzy Logic to Neutrosophic Logic: "A paradigm Shift in Logic Theory | 15 Dec. 2018 | Int. Conf. on Secure Cyber Computing and Communications (ICSCCC 2018), Dr. B R Ambedkar NIT Jalandhar, Punjab. |

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|-----|---|----------------|---|
| 17. | Expert lecture: Changing paradigm in Soft Computing Techniques | 24 March 2018 | One Day Seminar on Application of Soft Computing Techniques to Distributed Energy Resources in Smart Grid, JSS Academy of Technical Education, Noida. |
| 18. | Key Note Address: Emerging Trends in Soft Computing | 17 March 2018 | Nat. Conf. on Emerging Trends and Issues in Information Technology & Communication, MANUU, Hyderabad. |
| 19. | Key Note Address: Nuances of Neutrosophic Logic | 22 Dec. 2017 | Int. Conf. on Intelligent Communication and Computational Techniques, Manipal University, Jaipur. |
| 20. | 7th Dr. D. Balakrishnan Commemorative Lecture: An Engineer's Journey Through the Philosophy of Logics | 16 Aug. 2017 | Vidya Academy of Science and Technology, Thrissur, Kerala |
| 21. | Invited Talk: Fuzzy Logic to Neutrosophic Logic – A Paradigm Shift in Logic Theory | 10 July 2017 | Faculty Development Program, KIET, Ghaziabad |
| 22. | Orientation Programme: Washington Accord and the Outcome Based Education | 28 Sep. 2016 | Faculty of Engg. And Technology, Jamia Millia Islamia, New Delhi |
| 23. | Lead Lecture: Latest Trends in Networks-on-Chip (NoC) | 14 Oct. 2015 | 11 th J & K Science Congress, Srinagar |
| 24. | Tutorial Session: Neutrosophic Logic and Other Soft Computing Techniques | 10 Oct. 2015 | Int. Conf. on Soft Computing Techniques and Implementations, Manav Rachna International University, Faridabad. |
| 25. | Invited Talk: Outcome Based Education (OBE) | 9 June 2015 | Faculty Development Programme North Cap University, Gurgaon |
| 26. | Key Note Address: Network Security: Issues and Challenges | 25 April, 2015 | 6 th COMIT 2015 on “Global Information and Business Strategies”, Gitarattan Int. Business School, New Delhi. |
| 27. | Invited Talk: “Neutrosophic Computing” | 18 Dec. 2014 | Two day Workshop on “Research Issues in Power, Signal & Comm. Engineering, ITS Engineering College, Gr. Noida. |
| 28. | Key Note Address: Latest Trends in Networks-on-Chip (NoC) | 29 Nov. 2014 | International Conference on Innovative Applications of Computational Intelligence on Power, Energy and Controls with their impact on Humanity, KIET, Ghaziabad. |

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| 29. | Invited Talk: From Fuzzification to Neutrosophication - a Paradigm Shift in Soft Computing | 21 Aug. 2014 | Faculty Development Programme, Department of Information Technology, Delhi Technological University. |
| 30. | Invited Talk: What is so soft about Soft Computing | 29 March 2014 | FDP on Soft Computing Techniques, KIET, Ghaziabad |
| 31. | Invited Talk: Soft computing Applications | 8 March 2014 | National Seminar on Soft Computing Applications at Sachdeva Institute of Technology, Farah, Mathura |
| 32. | Invited Talk: “From Fuzzification to Neutrosophication: A Paradigm Shift in Soft Computing” | 7 March 2014 | 8 th INDIACom; International Conference for Sustainable Global Development, BVICAM, New Delhi |
| 33. | Key Note Address: A Journey from Fuzzy Logic to Neutrosophic Logic | 20 th Feb. 2014 | National Conference on Soft Computing (SCOMP-2014), GCET, Greater Noida. |
| 34. | Key Note Address: Biometric Recognition: Technology and Applications | 10 Dec. 2013 | IEEE Second International Conference on Image Information Processing, 9-11 Dec. 2013, JUIT, Shimla. |
| 35. | Key Note Address: Cyber Security and Management | 03 Dec. 2013 | International Conference on Disaster Mitigation and Management Towards Sustainable Development, 2-4 Dec. 2013, Periyar Maniammai University, T. N. |
| 36. | Invited Talk: Scope of Research Projects/ Works in the area of Computational Intelligence | 23 Aug. 2013 | National Seminar on Computational Intelligence, KIET, Ghaziabad, UP |
| 37. | Keynote Address: Fuzzy Type-2 and Neutrosophic Logics | 23 Aug. 2013 | National Seminar on Recent Technological Developments in Electrical Engineering, JSS Academy of Technical Education, Noida & Schneider Electrical Infrastructure Ltd., New Delhi. |
| 38. | Invited Talk: Recent Technological Developments in the Field of Electrical Engineering | 24 Aug 2013 | National Seminar on Recent Technological Developments in the Field of Electrical Engineering, JSS Academy of Technical Education, Noida, U.P. |
| 39. | Invited Talk: From Fuzzification to Neutrosophication – A new formalism for Data Processing | 31 May 2013 | Five Day Workshop on Fuzzy Logic and ANN Application in Engineering (FLANN-13), RVCE, Bangalore. |
| 40. | Keynote Address: Advance Latex | 2 March 2013 | Two Days Workshop on Advance Latex, HITM, Agra. |

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| 41. | Keynote Address: Neutrosophic Computing | 23 Feb 2013 | National Conference on Advanced Research in Computing, Christu Jyoti Institute of Tech. & Science, Warangal. |
| 42. | Invited Talk: Neutrosophic Logic | 18 Jan 2013 | National Conference on Data Mining, MCE Society's Allana Institute of Management Sciences, Pune. |
| 43. | Invited Talk: Introducing Neutrosophic Logic among Mathematicians | 15 Dec 2012 | Emerging Mathematical Methods, Models & Algorithms for Science and Technology, Indian Society of Industrial and Applied Mathematics, GBU. |
| 44. | Invited Talk: Contribution of Cloud Computing to Green Computing” | 28 July 2011 | International Conference on Emerging Green Technologies, Periyar Maniammai University, Thanjavur, T.N. |
| 45. | Invited Talk: Preparing Effective Research Proposal | 30 May 2011 | One Day Workshop on Intricacies of Preparing Research Proposals, YCCE, Meghe Group of Institutions, Nagpur. |
| 46. | Invited Talk: Energy- efficient computing: User, System Design, and Application perspective | 28 Jan. 2011 | 1 st National Technological Congress on “Green Technology – Innovation for New Energy”, Centre for Engineering R&D, Department of Technical Education, Government of Kerala, Trivandrum. |
| 47. | Keynote Address: Wireless Sensor Networks | 05 Jan. 2011 | Int. Conf. on Smart Technologies for Materials, Comm., Controls, Computing and Energy, VelTech. Univ., Chennai. |
| 48. | Invited Talk: Next Generation Computing | 11 Jan. 2010 | India International Centre, Computer Society of India, Delhi Section. |
| 49. | Invited Talk: Latest Trends in Fuzzy Logic Control | 16 June 2009 | AICTE sponsored Faculty Development Programme, Baba Ghulam Shah Badshah University, Rajouri, J & K. |
| 50. | Invited Talke: Fuzzy Logic: Basics and its Applications | 12 July 2008 | Periyar Maniammai University, Thanjavur, T.N. |
| 51. | Invited Talk: Requirements of Secure Software” | 21 June 2008 | AICTE sponsored Faculty Development Programme, NIT Patna |
| 52. | Invited Talk: Network Security: Issues and Challenges | 20 June 2008 | AICTE sponsored Faculty Development Programme, NIT Patna. |
| 53. | Invited Talk: Fuzzy Logic Applications | 06March 2008 | G. L. Bajaj College of Engineering and Technology, Greater Noida. |
| 54. | Keynote Address: Network Security Issues” | 02 Feb. 2008 | 2 nd National Conference on Computer Science and Information Technology, KIET, Ghaziabad. |

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| 55. | Invited Talk: Fuzzy Logic in Pattern Recognition | 27 Oct. 2007 | Hindustan Institute of Management and Computer Studies, Mathura, U.P. |
| 56. | Invited Talk: Fuzzy Logic and its Application in Industrial Control | 27 Sep. 2007 | Laser Science and Technology Centre, DRDO, New Delhi |
| 57. | Keynote Address: e-Governance | 15 Oct 2005 | National Seminar on “ICT for the prosperity of Mankind”, CSI, New Delhi |
| 58. | Invited Lectures: Advances in Soft Computing | 8 Oct. 2005 | UGC Sponsored One Week Refresher Program, University of Kashmir, J&K. |
| 59. | Keynote Address: e-Governance | 26 Sep 2005 | National Seminar on “E-Governance Awareness”, Jagan Institute of Management Studies (JIMS), New Delhi |
| 60. | Keynote Address: Advanced Networking Technologies | 09 Apr. 2005 | National Seminar –TechBYTE 2005, JIMS, New Delhi |
| 61. | Invited Talk: Information Technology: The Cutting Edge | April 2004 | Tecnia Institute of Advanced Studies, New Delhi |
| 62. | Invited Talk: Fuzzy Logic: Concepts and Engineering Applications | 12 March 2004 | Nat. Conf. on “Strategies for Sustainable Growth in the Era of Information Technology”, HIMCS, Mathura. |
| 63. | Invited Talk: Fuzzy Logic and Neural Networks | 12 Sep. 2003 | Techn-e-Vision 2003, Padre Conceicao College of Engineering, Goa. |
| 64. | Invited Talk: Fuzzy Logic as a Soft Computing Tool | 28 Jan. 2003 | AICTE Sponsored Summer School, Aditya Institute of Tech., New Delhi |

21. Participation in Workshops/Conferences/Seminars/Summer/Winter Schools etc.

| S. No. | Date(s) | Title of Workshops/ Conferences/ Seminars | Organized by | Purpose |
|--------|------------------|---|---|---------------|
| 1. | 23-25 March 2022 | IndiaCom 2022: 16 th INDIACom: 9 th Int. Conf. on. "Computing for Sustainable Global Development". | Bharati Vidyapeeth Institute of Computer Applications and Management. | Session Chair |
| 2. | 11-13 Feb. 2022 | IEEE DELCON-2022, Session on VLSI Technology and Embedded Systems | NSUT, Delhi | Session Chair |
| 3. | 12-14 March 2020 | IndiaCom 2021: 15 th INDIACom: 8 th Int. Conf. on. "Computing for Sustainable Global Development" Session on High Speed Networking and Information Security | Bharati Vidyapeeth Institute of Computer Applications and Management, New Delhi | Session Chair |

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| 4. | 10-13 Dec. 2020 | IEEE INDICON-2020 Session on “Electronics and Nanotechnology” | IEEE India Council and NSUT, New Delhi | Session Chair |
| 5. | 10-13 Dec. 2020 | IEEE INDICON-2020 1. Electronics and Nanotechnology 2. Control and Instrumentation | IEEE India Council and NSUT, New Delhi | Tracks Chair |
| 6. | 12-14 Mar 2020 | IndiaCom 2020: 14 th INDIACom 7th Int. Conf. on. "Computing for Sustainable Global Development”. | Bharati Vidyapeeth Institute of Computer Applications and Management. | Session Chair |
| 7. | 08-21 Dec. 2019 | To attend the LEAP Programme under the PMMMNTT Scheme of MHRD, Govt. of India. | IIT-BHU | Leadership Training |
| 8. | 14 March, 2019 | 13 th INDIACom: 6 th Int. Conf. on Computing for Sustainable Global Development, 13-15 March 2019. | BVICAM, New Delhi | Session Chair |
| 9. | 15 March, 2018 | 12 th INDIACom: 5 th Int. Conf. on Computing for Sustainable Global Development, 14-16 March 2018. | BVICAM, New Delhi | Session Chair |
| 10. | 27-29 Nov, 2014 | Workshop for the Training of Experts on “Outcome Based Education & Accreditation | National Board of Accreditation and JSS Academy of Tech. Education, Noida | Resource Person |
| 11. | 14-16 June 2014 | Phase-II Workshop for the Training of Experts on "Outcome Based Education & Accreditation | National Board of Accreditation and JSSATE, Noida | Resource Person |
| 12. | 3 rd Feb and 22 to 24 Feb, 2014 | NBA Workshop for Experts/ Evaluators/ Stakeholders on Outcome Base Education | National Board of Accreditation and JSSATE, Noida | Participant |
| 13. | 09 Nov 2013 | Indo - Global Education Summit-2013 | The Indus Foundation, U.S.A. and India | Awardee |
| 14. | 14 July 2013 | IEEE Workshop on Computational Intelligence: Theories, Applications and Future Directions | IEEE Computational Intelligence Society, and IIT Kanpur | Paper presentation |
| 15. | 7-10 July 2013 | IEEE Int. Conference on Fuzzy Systems, (Fuzz-IEEE2013) | IEEE Computational Intelligence Society, Hyderabad, India | Paper presentation |
| 16. | 6-8 Dec. 2012 | 2nd IEEE International Conference on Parallel Distributed and Grid Computing (PDGC-2012) | Jaypee University of Information Technology, Shimla | Sessions Chair and Paper Presented |

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| 17. | 3-5 Nov. 2012 | International Conference on Computational Intelligence and Communication Networks | GLA University, Mathura, U.P. | Paper presentation |
| 18. | 21-22 Sep., 2012 | Workshop on “ Outcome Based Accreditation Process and Parameters” | NBA and Delhi Technological University | Participant |
| 19. | 11-13 May 2012 | IEEE Int. Conf. on Communications Systems and network Technologies | MTT-S, Rajkot, Gujrat | Sessions Chair and Paper Presented |
| 20. | 3-5 Nov. 2011 | International Conference on Image Information Processing (ICIIP-2011) | Jaypee University of Information Technology, Shimla | Paper presentation |
| 21. | 18-22 July 2011 | Faculty Development Program on Intellectual property Rights | IIT Delhi | Participant |
| 22. | 10-12 Dec. 2010 | 34 th National Systems Conference | NITK, Surathkal, Karnataka | Paper presentation |
| 23. | 01-03 Aug. 2010 | 2 nd Int. Conf. on Mechanical and Electronics Engg. (ICMEE 2010) | IEEE, Kyoto, Japan | Paper presentation |
| 24. | 18-20 Dec. 2009 | 39 th Annual Convention of ISTE on Managing Technical Education for Leveraging Innovation and Entrepreneurship | NITK, Surathkal, Mangalore | Participant and delegate |
| 25. | 07 Nov. 2009 | 2 nd National Workshop on Einstein and Special Theory of Relativity | Aryabhata Science Forum, Delhi Univ. | Participant |
| 26. | 01-04 June 2004 | VLDB Summer School on Frontiers of Database Technology | IIT Delhi | Participant |
| 27. | 11-13 Dec. 2003 | 38 th National Convention of the Computer Society of India on Information, Computers and Telecommunications (ICT) for the Prosperity of Mankind | IIT Delhi | Paper presentation |
| 28. | 17-21 Sep. 2001 | Authors Workshop for Developing Quality Learning Materials | VRCE, Nagpur | Participant |
| 29. | 03-07 Jan. 2001 | 88 th Indian Science Congress ICAR, PUSA, New Delhi | Indian Science Congress Association | Paper presentation |

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| 30. | 03-28 May 1999 | One Month Summer School on “Neural Information Processing” | International Centre for Theoretical Physics (ICTP), ITALY | Participant |
| 31. | 9 Nov - 4 Dec, 1998 | One Month Winter School on “ICTP–United Nations University (UNU)–Microprocessor Laboratory Fifth Course on VLSI Design Techniques” | International Centre for Theoretical Physics (ICTP), Trieste, ITALY | Participant |
| 32. | July 1996 | One Week Workshop on Fuzzy Logic and Neural Networks | IIT Delhi | Participant |
| 33. | 25-31 July 1995 | One Week Course on Improvement of Instruction through Educational Technology | IIT Delhi | Participant |
| 34. | 21-25 Nov. 1994 | ISTE National Workshop on <i>Industry–Institute Partnership</i> ”, | Govt. College of Engineering, Thrissur | Participant |
| 35. | 18-23 Feb. 1991 | Winter School on Selected Experiments in Fibre Optics, Optical Communication and Laser Technology (FOCOLT) | Regional Institute of Technology, Jamshedpur | Participant |
| 36. | 11-23 Dec. 1989 | Winter School on “Microprocessor and its Applications to Industrial Control” | Maulana Azad College of Technology (MACT), Bhopal | Participant |
| 37. | 30 May-12 June, 1988 | Summer School on “UNIX and Programming in C” | GCT, Coimbatore | Participant |
| 38. | 16 March – 14 April, 1988 | Orientation Course for University Teachers | Academic Staff College, JMI | Participant |
| 39. | 01Feb.-15 March, 1988 | Course in Fundamentals of Computers and BASIC Programming | Department of Mathematics, JMI | Participant |

22. Workshops/ Conferences/ Seminars Organized (as Chairman/ Convener/ Co-Convener)

| S. No. | Title of Workshops/ Conferences/ Seminars | Date(s) | Funding Agency | Venue |
|--------|---|-----------------|--------------------|-----------------|
| 1. | Track Chair at the IEEE Delhi Section Conference (DELCON 2022) | 11-13 Feb. 2022 | IEEE Delhi Section | NSUT, New Delhi |
| 2. | Track Chair at the IEEE 17th India Council International Conference (INDICON 2020) | 11-13 Dec. 2020 | IEEE India Council | NSUT, New Delhi |

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| 3. | General Chair International Conference on Innovative Applications of Computational Intelligence on Power, Energy and Controls with their impact on Humanity. | 6-7 Nov. 2020 | KIET, Ghaziabad. | KIET, Ghaziabad. |
| 4. | International Workshop on “ <i>Computational Intelligence: Theories, Applications and Future Directions</i> ” | 13-14 July, 2013 | IEEE-CIS Delhi Chapter & IIT Delhi | Electrical Engg. Dept., IIT Delhi |
| 5. | DLP Seminar on “ <i>Neurodynamic Optimization Approaches to Model Predictive Control</i> ” | 18 March 2011 | IEEE – CIS Delhi Chapter | Jamia Millia Islamia, New Delhi |
| 6. | IEEE - Standards Association Workshop on “ <i>Cloud Computing</i> ” | 07 Feb. 2011 | IEEE – CIS Delhi Chapter | JMI, New Delhi |
| 7. | Day-long Techno-social Sojourn – “ <i>TRIPSTER '09: Tripping the Barrier, Switching the Society</i> ” | 23 Jan. 2009. | Jamia Millia Islamia | JMI, New Delhi |
| 8. | Special Session on “ <i>Soft Computing</i> ” in the 10 th World Multi-conference on Systemics, Cybernetics and Informatics (WMSCI 2006) | 16-19 July 2006 | Int. Institute of Informatics and Systemics, USA | Orlando, Florida, USA |
| 9. | Special Session on “ <i>Artificial Intelligence and Soft Computing</i> ” in the 4 th International Conference on Information, Security, Communications and Computers | 16-18 Dec. 2005 | WSEAS | Puerto De La Cruz, Spain. |
| 10. | One Day National Level Seminar, “ <i>Erudition- II : A platform for the Interaction of Academia and the Industry</i> ” | 18 Feb., 2004 | Jamia Hamdard | New Delhi |
| 11. | Half Day “ <i>LINUX Workshop</i> ” | 18Jan., 2003 | Jamia Hamdard | New Delhi. |
| 12. | One Day National Level Seminar “ <i>Erudition - I: A platform for the Interaction of Academia and the Industry</i> ” | 17 Jan. 2003 | Jamia Hamdard | New Delhi |
| 13. | One Day Seminar on “.NET and C#” | 14 August, 2002 | Jamia Hamdard | New Delhi |
| 14. | One Day Seminar on “ <i>International Dimensions of Cyber Law</i> ” | 10 Oct., 2002, | Jamia Hamdard | New Delhi |

23. Membership of Learned/Scientific Societies

| S. No. | Type of Membership | Organization | Membership Number with date |
|--------|----------------------------|--|-----------------------------|
| 1. | Life Member | Systems Society of India | LM 30277, 16 April 2010 |
| 2. | Member | IET, U.K. (Formerly IEE, U.K.) | 83010854, 20 Dec. 2005 |
| 3. | Chartered Engineer (U.K.) | Engineering Council, U.K. | 557922, 20 Dec. 2005 |
| 4. | Chartered Engineer (India) | Institution of Engineers (India) | F 108865-5, 10Nov 2004 |
| 5. | Fellow | Institution of Engineers (India) | F 108865-5, 18 Aug.2003 |
| 6. | Senior Member | Computer Society of India (CSI) | 00083612, 26 Aug. 2002 |
| 7. | Fellow | IETE, India | F 53791, 20 Aug. 1996 |
| 8. | Chartered Engineer | IETE, India | CE/0010, 6 Aug. 2001 |
| 9. | Senior Member | IEEE, USA | 03064623, 18 Nov. 2000 |
| 10. | Fellow | National Telematics Forum, India. | F 95076, 03 Oct. 1997 |
| 11. | Life Member | Indian Science Congress Association (ISCA) | LM 7515, 1997 |
| 12. | Life Member | National Association of Computer Educators and Trainers, India | February 1996 |
| 13. | Life Member | Indian Society for Environmental Management | LM 951115, 01 Jan. 1995 |
| 14. | Life Member | Indian Society for Continuing Engineering Education | LM 123, 05 Aug. 1993 |
| 15. | Life Member | Indian Society for Technical Education (ISTE) | LM 2109, 1988 |

24. Academic Foreign Visits

| S. No. | Country | Year of Visit | Programme |
|--------|------------------------|---------------|--|
| 1. | Univ. of Cambridge, UK | Jan 2020 | To attend the LEAP Programme under the PMMMMNMTT Scheme of MHRD, Govt. of India. |
| 2. | Japan | 2010 | 2 nd International Conference On Mechanical and Electronics Engineering, Kyoto, 1 – 3 August 2003. Paper presented: <i>Saving on Electricity Cost for Operating Large-size Data Centers through Implementation of Workflow Intuitive Formal Approach.</i> |
| 3. | Kuala Lumpur | 2009 | BOS Meeting of the Vinayaka Missions University-Malaysia Campus, Kuala Lumpur, for the development of Academic Regulations and Curriculum for B. Tech. programmes. 28 - 30 September, 2009. |

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| 4. | Greece | 2004 | 8 th WSEAS International Conference on Computers, organized by the World Scientific and Engineering Academy and Society, Athens, Greece. 12-15 July, 2004. Paper presented: <i>A Generalized Fuzzy Temporal Database System with SQL Compatibility.</i> |
| 5. | Saudi Arabia | 2002 | 4 th Workshop on Information and Computer Science (WICS'2002), King Fahad University of Petroleum and Minerals (KFUPM). 17 – 18 March, 2002. Paper presented: <i>A Method of Search Using Fuzzy Logic</i> |
| 6. | Italy | 1999 | One Month Summer School on “ <i>Neural Information Processing</i> ” at the International Centre for Theoretical Physics (ICTP), Trieste. 03 – 28 May, 1999. |
| 7. | Italy | 1998 | One Month Winter School on “ <i>ICTP – United Nations University (UNU) – Microprocessor Laboratory Fifth Course on Basic VLSI Design Techniques</i> ”, International Centre for Theoretical Physics (ICTP). Trieste. 09 Nov. – 04 Dec., 1998. |

25. Publications

(A) INTERNATIONAL REFEREED JOURNALS

- J78.** Abdul Q. Ansari, Vipin Sharma, Rajesh Mishra, “A3-disjoint design of non-blocking shuffle exchange network by extra port alignment,” *The Journal of Supercomputing (Springer)*, Online published on 02 April 2022. [Available] <https://doi.org/10.1007/s11227-022-04450-2>.
- J77.** Abdul Quaiyum Ansari, Priyanka Sharma, Manjari Tripathi, “A patient-independent classification system for onset detection of seizures,” *Biomedical Engineering/ Biomedizinische Technik*, Volume 66, Issue 3, Pages 267-274, De Gruyter, Aug. 2021.
- J76.** Vipin Sharma, Abdul Q. Ansari, Rajesh Mishra. "A Novel Design Layout of Three Disjoint Paths Multistage Interconnection Network & its Reliability Analysis," *International Journal of Pervasive Computing and Communications*, Vol. 17, No. 4 (July 2021): 390-403.
- J75.** Arun Kumar, Mohammad Shabi Hashmi, Abdul Quaiyum Ansari, Sultangali Arzykulov (2021), “Haar Wavelet Solution Analysis of Compound Pendulum-based Computational Electromagnetic Damping Oscillation Problem”, *IETE Journal of Research*, DOI: [10.1080/03772063.2021.1941332](https://doi.org/10.1080/03772063.2021.1941332).
- J74.** Selvakumar Rajendran, Arvind Chakrapani, Srihari Kannan, Abdul Quaiyum Ansari, “A Research Perspective on CMOS Current Mirror Circuits: Configurations and Techniques,” *Recent Advances in Electrical & Electronic Engineering*, Special Issue on Recent Trends in Low-Power VLSI and Embedded System (Bentham Science Publishers), Vol. 14, Issue 4, pp. 377-397, January 2021. DOI:10.2174/2352096514666210127140831
- J73.** A. Q. Ansari, M. A. Khan, “Editorial: Special Issue on Recent Trends in Low-Power VLSI and Embedded System,” *Recent Advances in Electrical & Electronic Engineering*, (Bentham Science Publishers), Vol 14, Issue 4, pp. 375-376, January 2021.

- J72.** L. Matekovits, Amit Kumar, **Abdul Quaiyum Ansari**, Binod Kumar Kanaujia, Jugul Kishor, “A Review on Different Techniques of Mutual Coupling Reduction Between Elements of Any MIMO Antenna. Part 2: Metamaterials and Many More”, *Radio Science*, Vol. 56, Issue 3, 2021.
- J71.** Amit Kumar, **Abdul Quaiyum Ansari**, Binod Kumar Kanaujia, Jugul Kishor, Ladislau Matekovits, “A review on different techniques of mutual coupling reduction between elements of any MIMO antenna. Part 1: DGSs and parasitic structures”, *Radio Science*, Vol. 56, Issue 3, 2021.
- J70.** A. Khusro, Mohammad S Hashmi, **Abdul Quaiyum Ansari**, Sultangali Arzykulov, “A Generic and Efficient Globalized Kernel Mapping Based Small-Signal Behavioral Modeling for GaN HEMT”, *IEEE Access*, Vol. 8, 2020.
- J69.** Koyel Datta Gupta, **Abdul Quaiyum Ansari**, Premchand Saxena, Rinky Dwivedi, “Optimizing channel allocation in WiMAX MIMO model using fuzzy game theory”, *Journal of Information and Optimization Sciences*, Vol 41,2020.
- J68.** **A. Q. Ansari**, P. Sharma, M Trpathi, “Automatic Seizure Detection using Neutrosophic Classifier,” *Physical and Engineering Sciences in Medicine* (Springer), 21 July 2020. DOI: 10.1007/s13246-020-00901-3
- J67.** Gagandeep Kaur, **Abdul Quaiyum Ansari**, MS Hashmi “Analysis and investigation of CDBA based fractional-order filters,” *Analog Integrated Circuits and Signal Processing* (Springer US), 03 July 2020. [Online] Available: <https://doi.org/10.1007/s10470-020-01683-0>
- J66.** G. Singh, **A. Q. Ansari**, Abul Kalam, “Comparative Analysis of Fault Diagnosis in Transmission Line using Soft Computing Techniques,” *International Journal of Advances in Engineering & Technology*, Vol. 13, Issue. 3, pp. 94-106, June 2020.
- J65.** Vipin Sharma, **Abdul Quaiyum Ansari**, Rajesh Mishra, Amit Kumar, Ravi Gupta, “Reliability Analysis of a Newly Proposed two Disjoint Path Multistage Interconnection Networks,” *Test Engineering and Management*. (Jan-Feb 2020). Vol. 82. 15757-15765.
- J64.** Arun Kumar, Mohammad S. Hashmi, **Abdul Q. Ansari** and Sultangali Arzykulov, “Haar wavelet based algorithm for solution of second order electromagnetic problems in time and space domains,” *Journal of Electromagnetic Waves and Applications* (Taylor and Francis), Jan 2020. [Online] Available: <https://doi.org/10.1080/09205071.2020.1713225>
- J63.** Khusro A., Husain S., Hashmi M. S., **Ansari A. Q.**, “Small signal behavioural modelling technique of GaN high electron mobility transistor using artificial neural network: An accurate, fast, and reliable approach,” *Int. J. RF and Microwave Computer-Aided Engineering*, (Wiley), Dec. 2019, DOI: [10.1002/mmce.22112](https://doi.org/10.1002/mmce.22112)
- J62.** Amit Kumar, **A. Q. Ansari**, B. K. Kanaujia, Jugul Kishor, Sachin Kumar, “An ultra-compact two-port UWB-MIMO antenna with dual band-notched characteristics,” *AEÜ - Int. Journal of Electronics and Communication* (Elsevier), Vol. 114, pp. , 2019, DOI: [10.1016/j.aeue.2019.152997](https://doi.org/10.1016/j.aeue.2019.152997)

- J61.** Gagandeep Kaur, **Abdul Quaiyum Ansari**, Mohammad Shabi Hashmi, “Fractional Order High Pass Filter Based on Operational Transresistance Amplifier with Three Fractional Capacitors of Different Order,” *Advances in Electrical and Electronic Engineering*, Vol. 17, Issue. 2, pp. 155-166, **June 2019**. DOI: [10.15598/aece.v17i2.2998](https://doi.org/10.15598/aece.v17i2.2998)
- J60.** Khusro A., Hashmi M. S., **Ansari A. Q.**, “Enabling the Development of Accurate Intrinsic Parameter Extraction Model for GaN HEMT Using Support Vector Regression (SVR),” *IET Microwave, Antennas & Propagation*, Vol. 13, Issue 9, pp. 1457 – 1466, **May 2019**. DOI: [10.1049/iet-map.2018.6039](https://doi.org/10.1049/iet-map.2018.6039)
- J59.** Gyanesh Singh, **Ansari A. Q.**, Md. Abul Kalam, “Analysis of Real Time Fault Data of Multi Terminal Transmission System using Python Learning Tools,” *Int. J. of Recent Technology and Engineering*, Vol. 8, Issue 1, pp.517-523, May 2019. ISSN: 2277-3878.
- J58.** Amit Kumar, **A. Q. Ansari**, B. K. Kanaujia, Jugul Kishor, “Dual Circular Polarization with Reduced Mutual Coupling Among Two Orthogonally Placed CPW-Fed Microstrip Antennas for Broadband Applications,” *Wireless Personal Communications* (Springer Nature), **01 April 2019**. DOI: [10.1007/s11277-019-06298-x](https://doi.org/10.1007/s11277-019-06298-x)
- J57.** Amit Kumar, **A. Q. Ansari**, B. K. Kanaujia, Jugul Kishor, “A Novel ITI-shaped Isolation Structure Placed Between Two-port CPW-fed Dual-band MIMO Antenna for High Isolation,” *AEÜ - Int. Journal of Electronics and Communication* (Elsevier), Vol. 104, pp. 35-43, **March 2019**. DOI: [10.1016/j.aeue.2019.03.009](https://doi.org/10.1016/j.aeue.2019.03.009)
- J56.** Khusro A, Hashmi MS, **Ansari A Q**, Mishra A, Tarique M., “An Accurate and Simplified Small Signal Parameter Extraction Method for GaN HEMT,” *Int. J. of Circuit Theory & Applications* (Wiley), pp. 941 - 953, **10Feb. 2019**. DOI: [10.1002/cta.2622](https://doi.org/10.1002/cta.2622).
- J55.** **A. Q. Ansari**, M Hasan, N. Islam, “Novel Optimization Technique to Charge E-Rickshaw Battery Using Single Sensor Based MPPT of SPV Module,” *Journal of Intelligent and Fuzzy Systems* (IOS Press), pp. 1-8, **Aug. 2018**. DOI: [10.3233/JIFS-169792](https://doi.org/10.3233/JIFS-169792).
- J54.** A. Kumar, **A. Q. Ansari**, B. K. Kanaujia, “Design of Triple-Band MIMO Antenna with One Band-Notched Characteristic,” *Progress in Electromagnetic Research C* (Electromagnetic Academy, USA), Vol. 86, pp. 41-53, **July 2018**.
- J53.** A Kumar, **A. Q. Ansari**, BK Kanaujia, J Kishor, “High Isolation Compact Four-port MIMO Antenna Loaded with CSRR for Multiband Applications,” *Frequenz* (Wiley), Vol. 72, Issue 9-10, pp. 415–427, **April 2018**. DOI: [10.1515/freq-2017-0276](https://doi.org/10.1515/freq-2017-0276).
- J52.** Gagandeep Kaur, **A.Q. Ansari**, M.S. Hashmi, “Fractional Order Multifunction Filter with Three Degrees of Freedom” *AEÜ - International Journal of Electronics and Communications* (Elsevier), Vol. 82, pp. 127-135, Dec. **2017**. DOI: [10.1016/j.aeue.2017.08.010](https://doi.org/10.1016/j.aeue.2017.08.010)

- J51.** M. R. Ansari, **A. Q. Ansari**, M. A. Khan, “Design and Evaluation of Binary-Tree Based Scalable 2D and 3D Network-on-Chip Architecture,” *Smart Science* (Taylor & Francis), pp. 1-5, Oct. **2017**.
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