



Dr. T. ABDUL RAZAK
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Jamal Mohamed College (Autonomous)
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ACADEMIC QUALIFICATIONS

M.Sc., PGDCA, M.C.A., M.Phil., M.B.A., Ph.D.

PROFESSIONAL EXPERIENCE

TEACHING:

Date of First Appointment : 1st August 1988

Total Teaching Experience : 34 Years

Subjects Teaching/Taught :

Digital Computers, Computer Organization & Architecture, Microprocessors and Applications, Software Engineering, Database Management Systems, Artificial Intelligence and Expert Systems, and Computer Networks to the Graduate, Post Graduate and M.Phil. students of Computer Science.

RESEARCH:

- Research Experience: Ph.D. (Computer Science) – 13 years; M.Phil. (CS) – 26 years
- Research supervisor for Ph.D.degree in Computer Science in the Bharathidasan University, Tiruchirappalli.
- 7 candidates have been awarded Ph.D. degree under my guidance.
- Supervising and guiding 7 Ph.D. scholars.
- Supervised and guided over 60 M.Phil. scholars
- Member, Department Research Committee, Computer Science, Jamal Mohamed College.
- Member, Doctoral Committee, Computer Science, Bharathidasan University, Tiruchirappalli

Publication in Journals:

1. Abdul Razak. T, *Application of Data Mining to Improve Marketing Strategies*, Indian Journal of Science and Commerce, Vol.1, No.1, pp.100-105, 2005.
2. Abdul Razak. T, Balasubramanian. R, *A Novel Approach of Providing Profile Based Security in Ad hoc Networks*, Jamal Academic Research Journal, Vol.4. No.1, pp.33-42. 2007.
3. Abdul Razak. T, Balasubramanian. R, *A Heuristic Profile Based Intruder Detection Scheme on MANET*, CiiT International Journal of Networking and Communication Engineering, Vol.2. No.10. pp.416-422, 2010.
4. Abdul Razak. T, Balasubramanian. R, *Middleware Architectural Framework for Secured Services in MANETs*, CiiT International Journal of Networking and Communication Engineering, Vol.2. No.10, pp.172-176, 2011.
5. Abdul Razak. T, Mohamed Basheer. K. P, *Digital Indexing and Watermarking based Content Protection for Multimedia Information*, International Journal of Advanced Research, Vol.2 No.2, pp.126-131, 2012.
6. Abdul Razak. T, Mohamed Basheer.K.P, *Improved Network Security through Retinal Biometric Based Authentication*, International Journal of Computer Technology and Applications, Vol. 4, No.6, pp 1015-1019, 2013.

7. Abdul Razak. T, Mohamed Basheer.K.P, *Enhanced Biometric Based Authentication for Network Security using Iris*, International Journal of Computer Engineering and Technology, Vol.4, No.6, pp 414-422, 2013.
8. Abdul Razak. T, Jayalakshmi. V, *Selection of Trusted Nodes in MANET by using Analytic Network Process*, COMPUSOFT - An International Journal of Advanced Computer Technology, Vol.3, No.3, pp.657-662, 2014.
9. Abdul Razak. T, Anthoniraj. J, *Distributed Clone Attack Detection Protocols in Static Wireless Sensor Networks: A survey*, International Journal of Advanced Research in Computer and Communication Engineering, Vol.3, Issue 5, pp. 6440-6444, 2014
10. Abdul Razak. T, Abdul Saleem. S, *Survey on Color Image Enhancement Techniques using Spatial Filtering*, International Journal of Computer Applications, Vol.94, No.9, pp.39-45, 2014.
11. Abdul Razak. T, Anthoniraj. J, *Clone Attack Detection Protocols in Wireless Sensor Networks: A Survey*, International Journal of Computer Applications, Vol. 98, No. 5, pp.43-49, 2014.
12. Abdul Razak. T, Nafees Ahamed. K, *A Comparative Study of different Density based Spatial Clustering Algorithms*, International Journal of Computer Applications, Vol.99, No.8, pp.18-25, 2014.
13. Abdul Razak. T, Sharon Dominick, *Improving the Cluster Efficiency on Sea Level Rise Dataset using Data Discretization*, International Journal of Computer Applications, Vol.102, No.13, pp.15-18, 2014.
14. Abdul Razak. T, Sherine Dominick, *Analyzing the Student Performance using Classification Techniques to find the better Suited Classifier*, International Journal of Computer Applications, Vol. 104, No.4, pp.1-3, 2014.
15. Abdul Razak. T, Senthamil Selvi. R, *Parallel Key Value Pattern Matching Model*, International Journal for Scientific Research & Development, Vol. 2, No. 08, pp. 181-185, 2014.
16. Abdul Razak. T, Rathipriya. R, *Predicting the Model for Academic Performance using Classification Techniques*, International Journal of Computer Engineering and Applications, Vol. 8, No.1, pp. 46-54, 2014.
17. Abdul Razak. T, Gayathri. G, Raja Vignesh. R, *Virtualized Clouds and Energy Aware Scheduling Using EARH*, International Journal of Advanced Research in Computer Science and Software Engineering, Vol. 4, No.10, pp. 394-399, 2014.
18. Abdul Razak. T, Jayalakshmi. V, *TV-DSR: Trust Vector Based DSR Protocol for Secure Routing in Mobile Adhoc Networks*, International Journal of Applied Engineering Research, Research India Publications, Vol. 10, No.9, pp. 23797-23814, 2015. (Scopus)
19. Abdul Razak. T, Jayalakshmi. V, *Vector Trust Aggregation Management Model for Secure Routing in Mobile Adhoc Networks*, International Journal of Computer Systems, Vol. 2, No.5, pp. 172-177, 2015
20. Abdul Razak. T, Anthoniraj. J, *NBCAD: Neighbor Based Clone Attack Detection in Cluster Based Static Wireless Sensor Networks*, International Journal of Engineering and Technology, Vol. 7, No. 3, pp.912-921, 2015 (Scopus).
21. Abdul Razak. T, Jayalakshmi. V, *A Study on Issues and Challenges in Mobile Ad hoc Networks*, International Journal of Innovative Research in Computer and Communication Engineering, Vol. 3, No. 9, 2015.
22. Abdul Razak. T, Jayalakshmi. V, *Energy Based Trusted Source Routing Protocol for Mobile Adhoc Networks*, ARPN Journal of Engineering and Applied Sciences, Vol. 18, 2015 (Scopus).
23. Abdul Razak. T, Abdul Saleem. S, *An Effective Adaptive Non-linear Filter for Removing High Density Impulse Noises in Gray-scale Images*, International Journal of Engineering and Technology, Vol.7, No.5, pp.1525-1536, 2015 (Scopus).
24. Abdul Razak. T, Abdul Saleem. S, *Fuzzy Logic Decision Based Effective Adaptive Median Filter for Removing High Density Impulse Noises in Digital Images*, International Journal of Applied Engineering Research, Vol.10, No.82, pp.84-90, 2015 (Scopus).
25. Abdul Razak. T, Jasmine Begum. A.R, *Performance Comparison of Spatial Filtering based on the Full Reference Image Quality Measures PSNR, RMSE, MSSIM and UIQI in Medical Image Improvement*, International Journal of Applied Engineering Research, Vol. 10, No.82, pp.97-102, 2015 (Scopus).

26. Abdul Razak. T, Jayalakshmi. V, *Trust Based Power Aware Secure Source Routing Protocol using Fuzzy Logic for Mobile Adhoc Networks*, IAENG International Journal of Computer Science, Vol. 43, No. 1, pp. 98-107, 2016 (Scopus).
27. Abdul Razak. T, Nafees Ahamed. K, *An Overview of Various Improvements of DBSCAN Algorithm in Clustering Spatial Databases*, International Journal of Advanced Research in Computer and Communication Engineering, Vol. 5, Issue 2, pp. 360-363, 2016.
28. Abdul Razak. T, Nafees Ahamed. K, *Fast and Effective Spatial Clustering Using Multi-Start Particle Swarm Optimization Technique*, International Journal of Engineering and Technology, Vol. 8. No 2, pp.1229-1237, 2016 (Scopus).
29. Abdul Razak. T, Jasmine Begum. A.R, *Segmentation Techniques: A Comparison and Evaluation on MR Images for Brain Tumour Detection*, International Journal of Advanced Research in Computer Science, Vol: 7, No. 2, pp. 93-97, 2016 (ICI)
30. Abdul Razak. T, Abdul Saleem. S, *An Effective Noise Adaptive Median Filter for Removing High Density Impulse Noises in Color Images*, International Journal of Electrical and Computer Engineering, Vol.6, No.2, pp.611-620, 2016 (Scopus).
31. Abdul Razak. T, Abdul Saleem. S, *Fuzzy Decision Based Adaptive Directional Weighted Median Filter for Restoring Impulse Corrupted Images*, International Journal of Computer Applications, Vol.141, No.13, pp.1-8, 2016.
32. Abdul Razak. T, Anthoniraj. J, *CBCD: Cluster Based Clone Detection in Mobile Wireless Sensor Networks*, Indian Journal of Science and Technology, Vol. 9, No. 31, pp.912-921, 2016 (Scopus).
33. Abdul Razak. T, Nafees Ahamed. K, *A Study on Metaheuristic Optimization Approach for Data Clustering*, International Journal of Emerging Trends in Science and Technology, Vol. 3, No. 8, pp. 94-101, 2016.
34. Abdul Razak. T, Jasmine Begum. A.R, *A Proposed Hybrid Fuzzy C-means Algorithm with Cluster Center Estimation for Leukemia Image Segmentation*, International Journal of Control Theory and Applications, International Science Press, Vol. 9 No. 26, pp. 335-342, 2016 (Scopus).
35. Abdul Razak. T, Abdul Saleem. S, *Adaptive Threshold Based Directional Weighted Fuzzy Median Filter for Restoring Impulse Degraded Images*, Journal of Advanced Research in Dynamical & Control Systems, Vol. 9, No. 5, pp. 142-150, 2017 (Scopus).
36. Abdul Razak. T, Jasmine Begum. A.R, *A Proposed Novel Method for Detection and Classification of Leukemia using Blood Microscopic Images*, International Journal of Advanced Research in Computer Science, Vol. 8, No. 3, pp. 147-151, 2017 (ICI).
37. Abdul Razak. T, Nafees Ahmed. K, *"Density Based Clustering using Modified PSO based Neighbor Selection"*, International Journal on Computer Science and Engineering (IJCSE), Vol. 9, No. 5, pp. 192-199, 2017.
38. Abdul Razak. T, Nafees Ahmed. K, *"Scalable Density Based Spatial Clustering with Integrated One-Class SVM for Noise Reduction"*, International Journal of Engineering & Technology (UAE), Vol. 7, No.2.9, pp. 28-32, 2018 (Scopus).
39. Abdul Razak. T, Jayalakshmi. V, *Performance Evaluation of Trust based Secure Routing Protocols for Mobile Ad hoc Networks*, International Journal of Pure and Applied Mathematics, Vol. 119, No. 15, pp. 3619-3632, 2018.
40. Abdul Razak. T, Jayalakshmi. V, *A Novel Trust Model using Multiple Trust Evaluating Factors to Secure Wireless Ad Hoc Networks*, International Journal of Mechanical and Production Engineering Research and Development, Vol. 8, Special Issue 3, pp. 1329-1336, 2018. (Scopus).
41. Abdul Razak. T, Kalyana Kumar. A.S, *Secure and Smart Monitoring of Sensitive Data in Cloud Computing using Effective Cryptographic Scheme*, International Journal of Recent Technology and Engineering (IJRTE), Vol. 9, Issue 1, pp. 7079-7086, 2019 (Scopus).
42. Abdul Razak. T, Zakiuddin Ahmed. A, *Review on Machine Learning Algorithms for Weather Forecasting Issues*, International Journal on Future Revolution in Computer Science & Communication Engineering, Vo.5, Issue 8, pp.94-98, 2019.
43. Abdul Razak. T, Zakiuddin Ahmed. A, *Optimized K Nearest Neighbor Classification Algorithm for Weather Prediction*, International Journal of Recent Technology and Engineering (IJRTE), Vol. 9, Issue.4, pp.7261-7263, 2019 (Scopus).
44. Abdul Razak. T, Omer Hussain, *Comparative Analysis of Prominent Watermarking Algorithms*, Innovations in Computer Science and Engineering, Springer, vol.32, pp. 361-369, 2019.

45. Abdul Razak. T, Kalyana Kumar. A.S, *A Secure Crypto-Based Data Outsourcing Model for Monitoring the Smart Environment in Cloud*, International Journal of Scientific & Technology Research (IJSTR), Vol. 9, Issue 1, pp. 124-131, 2020 (Scopus).
46. Abdul Razak. T, Mohamed Suhail. M, *ECG Classification Framework for Cardiac Disease Prediction using Nonlinear Vector Decomposed Neural Network*, Journal of Computational and Theoretical Nano Science, Vol.17, No.12, pp. 1-7, 2020.
47. Abdul Razak. T, Mohamed Suhail. M, *Automated Classification of ECG Signal using Convolutional Gated Recurrent Neural Network for Cardiac Disease Detection*, European Journal of Molecular & Clinical Medicine, Vol.7, Issue.9, pp.2722-2739, 2020.
48. Abdul Razak. T, Zakiuddin Ahmed. A, *Bayesian Approach to Decision Tree Algorithm for Classification of Soil Type and Suggesting Suitable Crop Cultivation using Machine Learning Technique*, Journal of Fundamental & Comparative Research, Vol. VII, No. 12 (VIII), pp.162-169, 2021 (Scopus).
49. Abdul Razak. T, Mohamed Suhail. M, *Asymmetric Back Propagation Neural Network-based Automatic Cardiac Disease Detection using Electrocardiogram Signal*, Turkish Journal of Computer and Mathematics Education, Vol.12, No.10, pp.2621-2631, 2021.
50. Abdul Razak. T, Zakiuddin Ahmed. A, *Ensemble Learning Approach to Decision Tree Algorithm for the Classification of Soil Type and Suggesting Suitable Crop Cultivation using Machine Learning Technique*, Shodha Prabha, Vol. 47, Issue 01, No.3, pp.55-62, 2022.
51. Abdul Razak. T, Zakiuddin Ahmed. A, *Implementation of Multilayer Neural Network with Decision Tree Model for Classification of Soil Type and Suggesting Suitable Crop Cultivation using Machine Learning Technique*, Journal of Algebraic Statistics, Vol.13, No.2, pp.2872-2878, 2022.
52. Abdul Razak. T, Omer Hussain, *A Hybrid Digital Image Watermarking Scheme Incorporating DWT, DCT and SVD Transformations*, Journal of Engineering Research, vol.10, No.1A, pp.113-130, 2022.
53. Abdul Razak. T, Mohamed Suhail. M, *Cardiac Disease Detection from ECG Signal using Discrete Wavelet Transform with Machine Learning Method*, Diabetes Research and Clinical Practice, Vo.187, pp.1-9, 2022.
54. Abdul Razak. T, Mohamed Suhail. M, *Cardiac Disease Classification from ECG Signals using Hybrid Recurrent Neural Network Method*, Advances in Engineering Software, Vo.174, pp.1-8, 2022.

Presentation of Papers in Conferences / Seminars:

1. *Space Communication Protocol Standard*, National Conference on Networking and Multi-Agent Systems, Gobi Arts & Science College, Gobichettipalayam, September 2004.
2. *Medical Image Classification using Data Mining*, National Conference on Recent Trends in Digital Image Processing and its Applications, Yadava College, Madurai, October 2004.
3. *Neuroinformatics – The Computational Neuroscience*, State-Level Seminar on Emerging Trends in Information Technology, Sri Sarada College for Women, Salem, December 2004.
4. *Technical and Social Issues on e-Education*, National Conference on Issues in Higher Education, Bharathidasan University, Tiruchirappalli, March 2005.
5. *Application of Data Mining to Scientific Data*, National Conference on Distributed Networks, Gobi Arts & Science College, Gobichettipalayam, March 2005.
6. *Profile Based Intrusion Detection in Mobile Ad hoc Networks*, AICTE & CSIR Sponsored National Seminar on Advanced Networking Technologies and Security Issues, Federal Institute of Science and Technology, Cochin, August 2007.
7. *QoS Metrics Analysis of Routing Protocols in MANET using NS2 Simulations*, International Conference on ‘Computing and Information Technology’, Alagappa University, Karaikudi, September 2013.
8. *Comparative Study of Clone Attack Detection Protocols in Wireless Sensor Networks*, National Conference on Current Trends in Information Technology, SRM University, Chennai, January 2015.
9. *Fuzzy Based Effective Adaptive Median Filter for Removing High Density Impulse Noises in Digital Images*, International Conference on Advanced Computing, Jamal Mohamed College, Tiruchirappalli, December 2015.

10. *A Proposed Hybrid Fuzzy C-Means Algorithm with Cluster Center Estimation for Leukemia Image Segmentation*, International Conference on Advanced Computing, Jamal Mohamed College, Tiruchirappalli, December 2015.
11. *Performance Comparison of Spatial Filtering Based on the Full Reference Image Quality Measures PSNR, RMSE, MSSIM and UIQI in Medical Image Improvement*, International Conference on Computing Communication and Information Science, Bishop Heber College, Tiruchirappalli, July 2016
12. *Prediction of Leukemia in Microscopic Images using Image Analysis and Image Processing Techniques*, 2nd World Congress on Computing and Communication Technologies, St. Joseph's College, Tiruchirappalli, February 2017.

Patents Filed:

1. Patent Name: *Wrist Band*, Design No.: 373009-001, Date of Registration: 22-10-2022, Certificate Issue Date: 01-02-2023
2. Patent Name: *Animal Tracking Strap using RFID and IOT*, Design No.: 377541-001, Date of Registration: 17-01-2023, Certificate Issue Date: 20-03-2023

Participation in Conferences / Seminars / Workshops:

1. Workshop on "Microprocessors & their Applications", St. Joseph's College, Tiruchirappalli, June 1989.
2. DOE Sponsored MCA Teacher's Training Programme, Regional Engineering College, Tiruchirappalli, May – June 1990.
3. Workshop on "Microprocessor Based Systems", Electro Systems Associates Pvt. Ltd., Bangalore, August 1991.
4. Fifth CSI Karnataka Student convention and First Southern Regional Student convention of CSI, CSI Bangalore chapter, Siddaganga Institute of Technology, Tumkur, Karnataka, September 1991.
5. Southern Regional Students' Convention of Computer Society of India, Tiruchirappalli City Students' Chapter of CSI, Jamal Mohamed College, Tiruchirappalli, February 1993.
6. Orientation course, Academic Staff College, Pondicherry Central University, Pondicherry, September – October 1993.
7. All India Symposium on "Computer Industry and Business" – BIG'94, Computer Society of India, Tiruchirappalli Chapter, February 1994.
8. Second Seminar cum Exhibition on Students' Projects Scheme Sponsored by the Tamil Nadu State Council for Science & Technology, Coimbatore, September 1994.
9. Refresher Course on "Current Trends in Computer Networking", Cochin University of Science & Technology, Cochin, November 1994.
10. 30th Annual Convention of Computer Society of India – CSI'95, Hyderabad, November 1995.
11. Southern Regional Convention of Computer Society of India, Tiruchirappalli Chapter of CSI, Tiruchirappalli, February 1996. (Acted as a judge for the students' paper presentation contest)
12. State Level Conference on "Trends in Client/Server Computing", Srimathi Indra Gandhi Collage, Tiruchirappalli, March 1997.
13. Refresher Course on "Recent Trends in Information Technology", Academic Staff College, Bharathidasan University, Tiruchirappalli, November 1999.
14. Refresher Course in Computer Science, Academic Staff College, Bharathidasan University, Tiruchirappalli, November – December 2000.
15. National Students' Convention of Computer Society of India, conducted by Tiruchirappalli CSI Chapter, September 2001.
16. National Conference on "Distributed Databases and Computing", Gobi Arts & Science College, Gobichettipalayam, March 2004.
17. National Conference on "Computer Science and Informatics", St. Joseph's College, Tiruchirappalli, February 2005.
18. International Conference on "Beyond Chalk and Talk: Seminar for Teaching in Digital Age", Bharathidasan University, Tiruchirappalli, March 2005.

19. State level Seminar on “Application of Ultrasonic to Organic and Biomolecular Compounds”, Jamal Mohamed College, Tiruchirappalli, September 2005.
20. State level Seminar on “Recent Advances in Thin Film Technology”, Jamal Mohamed College, Tiruchirappalli, September 2005.
21. Regional Workshop on “Computer Application in Research in Social Sciences”, Jamal Mohamed College, Tiruchirappalli, November 2005.
22. Seminar on “Recent Research Trends in Computer Science”, Madurai Kamaraj University, Madurai, January 2006.
23. National Level Seminar on “Emerging Trends of Information Technology”, Bharathidasan University, Tiruchirappalli, February 2006.
24. TANSCHÉ and UGC Sponsored Workshop on “Curriculum Development and Evaluation”, Academic Staff College, Bharathidasan University, Tiruchirappalli, March 2006.
25. National Seminar on “Information Technology”, Bharathidasan University, Tiruchirappalli, February 2007.
26. National Conference on “Computer Science and Communication Technology”, St. Joseph’s College, Tiruchirappalli, February 2007.
27. Computer Society of India Sponsored National Level Workshop on “Recent Trends in Computer Architecture”, Mookambigai College of Engineering, Kalamavur, March 2007.
28. State Level Workshop on “Research Prospects in Data Mining”, Jamal Mohamed College, Tiruchirappalli, March 2007.
29. National Level Seminar on “Changing Paradigms in Services Marketing”, Jamal Mohamed College, Tiruchirappalli, March 2007.
30. Workshop on “Mobile and Pervasive Computing”, National Institute of Technology, Tiruchirappalli, August 2007.
31. Workshop on “Pattern Recognition”, Periyar University, Salem, September 2007.
32. National Conference on “Frontier Research Areas of Computer Sciences”, Bharathidasan University, Tiruchirappalli, October 2007.
33. National Conference on “Advanced Computing”, Jamal Mohamed College, Tiruchirappalli, March 2009.
34. International Conference on “Mathematical Methods and Computation”, Jamal Mohamed College, Tiruchirappalli, July 2009.
35. National Conference on “Advanced Computing”, Jamal Mohamed College, Tiruchirappalli, February 2010.
36. National Conference on “Advanced Computing”, Jamal Mohamed College, Tiruchirappalli, March 2011.
37. National Conference on “Advanced Computing”, Jamal Mohamed College, Tiruchirappalli, March 2012.
38. A five-day Workshop on ‘Data Mining’ as a part of 2012 Indo-US Engineering Faculty Leadership Institute, Vignan University, Guntur, Andhra Pradesh, July 2012.
39. International Seminar on ‘Hadith and Modern Science’, Jamal Mohamed College, Tiruchirappalli, February 2013.
40. National Conference on “Advanced Computing”, Jamal Mohamed College, Tiruchirappalli, March 2013.
41. 48th Annual Convention of Computer Society of India, Visakapatnam, December 2013.
42. National Conference on “Advanced Computing”, Jamal Mohamed College, Tiruchirappalli, March 2014.
43. 49th Annual Convention of Computer Society of India, Hyderabad, December 2014.
44. National Conference on “Advanced Computing”, Jamal Mohamed College, Tiruchirappalli, March 2015.
45. 50th Annual Convention of Computer Society of India, New Delhi, December 2015.
46. 51st Annual Convention of Computer Society of India, Coimbatore, January 2017.
47. 52nd Annual Convention of Computer Society of India, Kolkatta, January 2018.
48. Workshop on ‘Revised NAAC Norms and Procedures’ at Bharathiar University, Coimbatore, October 2018.

49. UGC-sponsored workshop for Professional Development of Academic Administrators on 'Institutional Assessment and Accreditation' at Bharathidasan University, Tiruchirappalli, March 2019.
50. Online FDP on 'NAAC Awareness Programme for Faculty' organized by Marathwada Mitra Mandal Institute of Technology, Lohgaon, Pune, May 2020.
51. Online FDP on 'Revised Accreditation Framework of NAAC' organized by Government College, Rajahmundry, Andhra Pradesh, May 2020.
52. ICT Webinar on 'Think Globally, Act Locally: Applicability to Educational Perspectives' organized by Bharathiar University Arts and Science College, Modakurichi, Tamil Nadu, June 2020.
53. Webinar on 'Outcome Based Education Through Bloom's Taxonomy: Stepping up the Learning Domain' organized by Rathinam College of Arts and Science, Coimbatore, June 2020.
54. Online FDP on 'Online Teaching-Learning Processes using ICT Tools for Education 4.0' organized by St. Vincent Pallotti College of Engineering and Technology, Nagpur, June 2020.
55. Webinar on 'NAAC - Quality Assurance in Higher Education' organized by St. Joseph's College, Bengaluru, December 2020.

Online Courses Completed:

1. 'Time and Task Management: Time Management Techniques' conducted by Udeemy, November 2019.
2. 'Coronavirus Covid-19' conducted by e-Learning College, April 2020.
3. 'Digital Skills: Social Media' conducted by Future Learn (Accenture), April 2020.
4. 'Design Thinking in Global Education Contemporary Teaching and Learning Techniques' conducted by Global Understanding for Sustainable Development and Audacious Dreams Foundation, June 2020.

Reviewer / Board Member for International Journals/Conferences

1. Reviewer, 52nd Annual IACIS International Conference for the International Association of Computer Information Systems, Myrtle Beach, South California, USA, October 2012
2. Reviewer, International Conference on World Congress on Computing and Communication Technologies, Tiruchirappalli, Tamil Nadu, India. February-March 2014.
3. Advisory Committee Member, National Conference on Advances in Computing, Communication and Applications, Areacode, Kerala, India, February 2015.
4. Reviewer, International Journal of Computer Science Issues, Republic of Mauritius.
5. Reviewer, The Second International Conference on Education Technologies and Computers (ICETC2015), Bangkok, Thailand, May 2015.
6. Editor, International Journal of Advances in Engineering and Scientific Research, ARSEAM, India
7. Editorial Board Member, International Journal of Advanced Research in Computer and Communication Engineering, India.
8. Editorial Board Member, International Journal of Computer Trends and Technology, Seventh Sense Research Group, India
9. Reviewer, WSEAS Transactions on Computers, World Scientific and Engineering Academy and Society, Greece.
10. Reviewer, International Journal of Computer Science and Engineering Survey, India.
11. Review Board Member, IASIR Journals, International Association of Scientific Innovation and Research, Georgia, USA.
12. Review Board Member, International Journal of Research in Computer Science, White Globe Publications, India.
13. Editorial Board Member, International Journal of Advanced Information and Communication Technology, India.
14. Reviewer, International Journal of Computers and Technology, Council for Innovative Research, Canada.

PROGRAMMES ORGANIZED

Intercollegiate Conventions / Symposiums:

1. Organized the Inter-collegiate Computer Convention, SWAP, for the first time in the history of Jamal Mohamed College in 1991. Since then, organized the Convention from 1991 to 1995, in 2000 and 2016.
2. Convener, Reception & Registration Committee, SWAP, National Technical Symposium, Jamal Mohamed College, 2010 & 2011.
3. Convener for VarIT-2k11, a State-level technical symposium, conducted by the Department of Information Technology, Jamal Mohamed College, January 2011.
4. Staff Advisor & Convener, Programme Committee, SWAP-2K12, National Technical Symposium, Jamal Mohamed College, October 2012.
5. Convener, Finance Committee, SWAP-2K13, National Technical Symposium, Jamal Mohamed College, Tiruchirappalli, October 2013.
6. Organized Intra-collegiate symposiums – Mindspark, T-Hunt, INSIGHT, and Compu-Quiz from 2014 to 2017.

Workshops:

1. Convener, Reception & Registration Committee, State Level Workshop on ‘Research Prospects in Data Mining’, Jamal Mohammed College, Tiruchirappalli, 2007.
2. Organized a one-day Workshop on ‘Android Applications Development’ under Computer Society of India banner, March 2013
3. Organized a one-day Workshop on ‘Mobile Cloud Computing’ under the banner of Computer Science of India in association with M.A.M. College of Engineering, Tiruchirappalli, March 2013.
4. Organized a technical workshop on ‘Android Apps Development Project’ at Bharathidasan University Technology Park, Tiruchirappalli, January 2014.
5. Organized a Two-day workshop on ‘Research Methodology in Computer Science’ at Jamal Mohamed College, Tiruchirappalli, March 2014.
6. Organized a National Workshop on ‘Research Issues in Big Data Analytics’ at Bharathidasan University Technology Park, Tiruchirappalli, March 2014.
7. Organized a National Workshop on ‘Recent Trends in Human-Computer Interaction’ at Hotel Sangam / Srimathi Indira Gandhi College, Tiruchirappalli, February 2015.
8. Organized a Two-day International Workshop on ‘Image Processing Research with Matlab’ at Bharathidasan University Technology Park, Tiruchirappalli, 31st July & 1st August 2015.
9. Organized a Two-day International Workshop on ‘Image Restoration Techniques with Matlab’ at Jamal Mohamed College, Tiruchirappalli, September 2016.

Seminars / Conferences:

1. Organized a National Seminar on ‘Big Data Analytics’ at Bharathidasan University Technology Park, Tiruchirappalli, February 2015.
2. Convener, Reception & Registration Committee, National Conference on ‘Advanced Computing’, Jamal Mohamed College, Tiruchirappalli, 2009, 2010, 2011, & 2012.
3. Organized a National Conference on Advanced Computing at Jamal Mohamed College, Tiruchirappalli, March 2017.

Activities Organized / Conducted as IQAC Coordinator:

1. Workshop on ‘The Role of a Teacher in the Present Scenario’ for the faculty members of our college, 3rd, 10th December 2016 & 7th January 2017.
2. Orientation program on ‘Soft Skills Development’ for the faculty members handling soft skills course, 22nd June 2018

3. Workshop on 'Improving Teaching Practices – A Strategic Approach' in association with Aadhi Foundation, Coimbatore for the junior faculty members, 23rd June 2018
4. Workshop on 'Writing Winnable Project Proposals' was organized for the senior faculty members in association with Centre of Intellectual Property Rights, Anna University, Chennai, 23rd June 2018
5. Internal Academic Audit of all the departments, July 2018.
6. Special Lecture Program on 'Awareness on Intellectual Property Rights', 11th January 2019.
7. A Holistic development workshop on 'Explore, Enrich and Expand' for the non-teaching staff members of our college in association with the Centre for Holistic Development of Human Potential, Tiruchirappalli, 18th January 2019
8. Administrative Training Programmes on 'Computer Operations' and 'Good Laboratory Practices' for the Non-teaching staff members, 19th January 2019.
9. External Academic and Administrative Audit, 31st January and 1st February 2019.
10. Special lecture program on 'Outcome Based Education', 21st February 2019.
11. NAAC sponsored National Seminar on 'Challenges and Changes in the Evaluation System', 26th February 2019.
12. Special lecture programme on 'Scientific Research Forum for Colleges: A Necessity for 21st Century' for the staff members and research scholars of science departments, 4th March 2019
13. Faculty Enrichment Program on 'Ownership Culture' under the IQAC banner, 14th June 2019.
14. Faculty Development Program on 'E-Content Development', 30th June to 4th July 2020.
15. Webinar on 'National Education Policy -2020', 8th August 2020.
16. Faculty Orientation Programme, 24th to 29th January 2022.
17. AQAR prepared and submitted every year during the period 2016-2022.

Exhibitions Organized:

1. Member, Organizing Committee, SWAP-XBIT, a Computer Exhibition by the students, 2001 & 2002.
2. Organized a Students' Computer Exhibition to commemorate VarIT-2k11 and the Diamond Jubilee Celebrations of the College, January 2011.

Master of Ceremony:

1. Annual Alumni Get-together (Nostalgia), 15th August 2013
2. Alumni and well-wishers Get-together function of the JMC Alumni Association Malaysia Chapter, 7th January 2014
3. Annual Alumni Get-together (Nostalgia), 15th August 2017
4. Annual Alumni Get-together (Nostalgia), 15th August 2019

EDITOR FOR SOUVENIR / E-NEWSLETTERS

1. Editor for the Souvenir of the Annual Conventions – CLAP'92, JAMCOFEST'93, SWAP'95, SWAP'97, SWAP 2000, & SWAP 2K12
2. Editor for the Souvenir published to commemorate VarIT-2k11, January 2011.
3. Chief Editor for the Souvenir published to commemorate VarIT-2k14, January 2014.
4. Editor, CASCADE – The e-newsletter of the Computer Society of India – Tiruchirappalli Chapter (2013-2014, 2014-2015).
5. Editor, TRENDZ – A e-newsletter of the Computer Society of India – Jamal Mohamed College Student Branch (2013-2014, 2014-2015, 2015-2016)
6. Chief Editor for the Souvenir published to commemorate VarIT-2k15, January 2015.
7. Chief Editor for the Souvenir published to commemorate VarIT-2k16, January 2016.
8. Chief Editor for the Souvenir published to commemorate VarIT-2k17, February 2017.
9. Chief Editor for the Souvenir published to commemorate VarIT-2k18, February 2018.
10. Chief Editor for the Souvenir published to commemorate VarIT-2k19, February 2019.
11. Chief Editor for the Souvenir published to commemorate VarIT-2k22, February 2022.

STUDENTS' PROJECT SCHEME

Guided a project on “MIS on Underground Water Resources in Tiruchirappali Taluk”, Sponsored by the Tamil Nadu State Council for Science and Technology, Govt. of Tamil Nadu, under the Students' Project Scheme, 1993-94.

ACTED AS RESOURCE PERSON

1. Acted as the chief guest and delivered the valedictory address in the one-day symposium, RITCAAS-10, organized by the Department of Computer Studies, Syed Hameedha Arts & Science College, Ramanathapuram, September 2010.
2. Acted as the chief guest and delivered the inaugural address during the inauguration of the Computer Science Association activities, organized by the Department of Computer Science, Bishop Heber College, Tiruchirappalli, July 2011.
3. Acted as the chief guest and delivered the valedictory address in the one-day State-level Symposium, WITS-11, organized by the Department of Computer Science, M.I.E.T. Arts & Science College, Tiruchirappalli, September 2011.
4. Acted as a chairperson for paper presentation and delivered a special lecture on ‘Career and Research Trends in Information Technology’ in the state-level seminar organized by the Department of Computer Science, Computer Applications and Information Technology, RDB College of Arts & Science, Thanjavur, March 2012.
5. Acted as chairperson for paper presentation in the National Seminar on ‘Cloud Computing’ organized by the Bharathidasan University Technology Park and Computer Society of India, Tiruchirappalli Chapter, September 2012.
6. Acted as the judge for the paper presentation event in the inter-collegiate meet, CREATION-2012, organized by the Department of Computer Applications, Bishop Heber College, Tiruchirappalli, September 2012.
7. Delivered a lecture on ‘Positive Attitude’ for the faculty members Jamal Mohamed College, Tiruchirappalli, November 2012.
8. Delivered a lecture on ‘Time Management’ for the faculty members Jamal Mohamed College, Tiruchirappalli, November 2012.
9. Acted as resource person in a Faculty Development Programme on Soft Skills, organized by the Internal Quality Assurance Cell, Jamal Mohamed College, Tiruchirappalli, January 2013.
10. Delivered the keynote address in the International Conference on ‘Next Generation of Mobile Services, Applications and Technologies’ organized by the Department of Computer Science, Bon Secours College for Women, Thanjavur, February 2013.
11. Delivered Keynote address at the UGC sponsored National Seminar on ‘Advances in Computing Communication and Application, organized by the Department of Computer Science, Sullamussalam Science College, Malappuram, Kerala, November 2013.
12. Acted as chief guest and delivered the valedictory address and special lecture on ‘Recent Trends in Information Technology’ during the valediction of the Computer Science Association activities, organized by the Department of Computer Science, Urumu Dhanalakshmi College, Tiruchirappalli, April 2014.
13. Acted as the chief guest and delivered the inaugural address during the inauguration of the Information Technology Association activities, organized by the Department of Information Technology, Bishop Heber College, Tiruchirappalli, July 2014.
14. Acted as a guest and delivered a talk during the inauguration of Computer Society of India Student Branch at Nehru Memorial College, Puthanampatti, 16th March 2015.
15. Acted as the chief guest and delivered the inaugural address during an Intercollegiate Symposium, EAFI'17 at M.A.M. College of Engineering, Siruganur, Tiruchirappalli on 4th March 2017.

BHARATHIDASAN UNIVERSITY ASSIGNMENTS

1. Senate Member, Bharathidasan University, Tiruchirappalli (2016-2019)
2. Member, Flying Squad, Bharathidasan University Examinations (2016-2019)

3. Member (Subject Expert), Inspection Commission for starting M.Sc.(Computer Science) Programme at Annai College for Women, Karur, April 2014.
4. Member (Subject Expert), Inspection Commission for starting M.Sc.(Computer Science) Programme at Thanthai Hans Roever College, Perambalur, May 2014.
5. Member (Subject Expert), Inspection Commission for starting Ph.D.(Computer Science) Programme at Christuraj College, Tiruchirappalli, June 2014.
6. Member (Subject Expert), Review Inspection Commission for starting M.Sc.(Computer Science) Programme at Annai College for Women, Karur, February 2015.
7. Member (Subject Expert), Inspection Commission for starting BCA Programme at S.K. Arts and Science College, Nagapattinam, June 2015.
8. Member, Post Graduate Board of Studies, Bharathidasan University, Tiruchirappalli (2012-2015, 2022-2025).

ADMINISTRATIVE EXPERIENCE

- Coordinator, Department of Information Technology from June 2011 to June 2022
- Head, Department of Information Technology from December 2007 to May 2011

ADDITIONAL RESPONSIBILITIES HELD / HOLDING

- Coordinator, Curriculum Development Cell, Jamal Mohamed College (From April 2022)
- Coordinator, Internal Quality Assurance Cell, Jamal Mohamed College (2016-2022)
- Member, Academic Council, Examination Committee, Alumni Committee, Anti-ragging Committee, Jamal Mohamed College.
- Member, Board of Studies, Jamal Mohamed College.
- Staff Advisor, Jamal Mohamed College Website Design & Development Team (2012-2018)
- Member, Board of Studies (Computer Science), Seethalakshmi Ramasami College, Periyar EVR College, and Nehru Memorial College, Tiruchirappalli.
- Member, Board of Studies (Computer Applications), Bishop Heber College, Tiruchirappalli and Sree Saraswathi Thyagaraja College, Pollachi.
- Member, Board of Examiners & Question Paper Setters in various universities and Autonomous Colleges.
- Chairman, Board of Examiners (BCA & B.Sc.-IT) in Jamal Mohamed College.
- Additional Chief Superintendent, Bharathidasan University Examinations (November 2003 – April 2005).
- Additional Chief Superintendent, Autonomous Examinations (November 2005 – April 2008).
- Additional Chief Superintendent, CDE Examinations and TANCET, Anna University, Chennai.
- Additional Chief Superintendent, UGC-JRF/NET /SET Examinations conducted by Bharathidasan / Bharathiar University
- Chief Superintendent, RRB, and RRC Recruitment Written Examinations.
- Mentor, BITS Pilani

COUNTRIES VISITED

- Singapore, Malaysia, Saudi Arabia, United Arab Emirates

AWARDS

- Awarded the '*Longest Continuous SBC Award*' by the Computer Society of India (CSI) during the Annual Convention of CSI held at Coimbatore in January 2017 for continuously serving as the Student Branch Coordinator for more than three years.

- As the *Student Branch Coordinator*, the CSI-Student Branch of our College was awarded the ‘*Best Accredited Student Branch Award*’ for the year 2015-2016 by the Computer Society of India during the Annual Convention held at Coimbatore in January 2017.
- As the *Vice Chairman*, the CSI Tiruchirappalli Chapter was awarded the ‘*Best Regional Chapter Award*’ for the year 2015-2016 by the Computer Society of India during the Annual Convention held at Coimbatore in January 2017.
- As the *Secretary*, the CSI Tiruchirappalli Chapter was awarded the ‘*Best Regional Chapter Award*’ for the year 2014-2015 by the Computer Society of India during the Annual Convention held at New Delhi in December 2015.
- As the *Student Branch Coordinator*, the CSI-Student Branch of our College was awarded the ‘*Best Accredited Student Branch Award*’ for the year 2014-2015 by the Computer Society of India during the Annual Convention held at New Delhi in December 2015.
- As the *Editor*, received the ‘*Best Chapter Newsletter Award*’ for CASCADE (an E-Newsletter of CSI Tiruchirappalli Chapter) for the year 2014-2015.
- Awarded the ‘*Significant Contribution Award*’ by the Computer Society of India (CSI) during the Annual Convention of CSI held at New Delhi in December 2015 for the significant contribution to CSI.
- As the *Student Branch Coordinator*, the CSI-Student Branch of our College was awarded the ‘*Best Accredited Student Branch Award*’ for the year 2013-2014 by the Computer Society of India during the Annual Convention held at Hyderabad in December 2014.
- As the *Editor*, the Tiruchirappalli Chapter of Computer Society of India won the “*Best Chapter Newsletter Award*” for its E-Newsletter (CASCADE) for the year 2013-2014.
- Awarded the prestigious ‘*Distinguished Educational Service Award*’ by the College Management Committee in honor and appreciation of the academic and administrative contribution to the Institution, February 2011.
- As the *Student Branch Coordinator*, the CSI-Student Branch of our College was awarded the ‘*Best Regional Student Branch Award (South)*’ for the year 1994-1995 by the Computer Society of India during the Annual Convention held at Hyderabad in November 1995.
- Awarded the ‘*First Prize for securing First place in M.Sc.*’ in Jamal Mohamed College in 1987.
- Awarded ‘*Khajamian Gold Medal*’ for securing first place among all graduates of Jamal Mohamed College in 1985.
- Awarded ‘*Special Youth Award*’ by the Rotaract Club of Tiruchirappalli Fort in July 1985.
- Awarded ‘*Certificate of Honor*’ for having been a model Student by putting in cent percent attendance for the year 1979-80 at R.S.K Senior Secondary School, Tiruchirappalli.

POSITIONS HELD / HOLDING IN COMPUTER SOCIETY OF INDIA

- Life Member, Computer Society of India, Mumbai
- Chairman, Computer Society of India, Tiruchirappalli Chapter (2017-2019)
- Vice Chairman, Computer Society of India, Tiruchirappalli Chapter (2015-2017)
- Secretary, Computer Society of India, Tiruchirappalli Chapter (2012-2015)
- Student Branch Coordinator, Computer Society of India – Jamal Mohamed College – Student Branch during the years 1994-1996, 1999-2002, 2012 – 2017.

MEMBERSHIP IN OTHER PROFESSIONAL BODIES

- Life Member, Indian Society for Technical Education, New Delhi
- Senior Member, Universal Association of Computer and Electronics Engineers, USA
- Member, Indian Association for Research in Computing Sciences, Mumbai
- Member, Computer Science Teachers Association, New York, USA
- Member, International Association of Engineers, Hong Kong
- Member, Advanced Computer Research Society, Chennai
- Member, The Society of Digital Information and Wireless Communications, USA

- Member, International Academy of Science, USA
- Member, Consumer's Association of India, Chennai
- Life Member, Indian Society of Systems for Science and Engineering, Thiruvananthapuram

OTHER CERTIFICATES OBTAINED

- Certificate in Typewriting English, Directorate of Technical Education, Tamil Nadu
- Certificate in Library & Information Science, University of Madras, Chennai
- Certificate in Arabic, Bharathidasan University, Tiruchirappalli
- Certificate for Completing Nanotechnology Sensitization Programme, Nano Science and Technology Consortium, Noida (UP)

PERSONAL INFORMATION

Date of Birth : 01-12-1964
Nationality : Indian
Languages Known : English, Tamil, Malayalam, Hindi
Residential Address : 48-A, Muslim First Street, Khajamalai,
Tiruchirappalli – 620 023, Tamil Nadu, India

DECLARATION

I declare that the information furnished above are correct and true to the best of my knowledge and belief.



T. ABDUL RAZAK