

## Dr. T. ABDUL RAZAK

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### ACADEMIC QUALIFICATIONS

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

### PROFESSIONAL EXPERIENCE

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#### Teaching:

Date of First Appointment : 1<sup>st</sup> August 1988  
Present Designation : Associate Professor of Computer Science  
Total Teaching Experience : 27 Years

#### Research:

- Research supervisor for Ph.D.degree in Computer Science in the Bharathidasan University, Tiruchirappalli and Bharathiar University, Coimbatore.
- Supervising and guiding 8 Ph.D. scholars in Computer Science.
- Supervised and guided over 50 M.Phil. scholars of the Bharathidasan University, and few other universities in Tamil Nadu.

#### 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, October 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, March 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 October 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, November 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, December 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, March 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, May 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, May 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, July 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, August 2014.
13. Abdul Razak. T, Rajakumar. R, Rameeja. M, *Improving Wireless Sensor Networks Performance using Big Data and Clustering Approach*, International Journal of Scientific and Research Publications, Vol.4, No.8, pp.1-7, August 2014.
14. 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, September 2014.
15. 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, October 2014.
16. 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, October 2014.
17. 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, October 2014.
18. 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, Volume 4, No.10, pp. 394-399, October 2014.
19. 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
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 (IJET), Vol. 7, No. 5, pp. 912 - 921, June-July 2015.

#### **Presentation of Papers in Conferences / Seminars:**

1. *Space Communication Protocol Standard*, UGC Sponsored National Conference on 'Networking and Multi-Agent Systems', Gobi Arts & Science College, Gobichettipalayam, September 2004.
2. *Medical Image Classification using Data Mining*, UGC Sponsored National Conference on 'Recent Trends in Digital Image Processing and its Applications', Yadava College, Madurai, October 2004.

3. *Neuroinformatics – The Computational Neuroscience*, UGC Sponsored 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*, UGC Sponsored National Conference on 'Issues in Higher Education', Bharathidasan University, Tiruchirappalli, March 2005.
5. *Application of Data Mining to Scientific Data*, UGC Sponsored 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.

#### **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. UGC Sponsored 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. UGC Sponsored Refresher Course on "Current Trends in Computer Networking", Cochin University of Science & Technology, Cochin, November 1994.
10. 30<sup>th</sup> 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. UGC Sponsored State Level Conference on "Trends in Client/Server Computing", Srimathi Indra Gandhi Collage, Tiruchirappalli, March 1997.
13. UGC Sponsored Refresher Course on "Recent Trends in Information Technology", Academic Staff College, Bharathidasan University, Tiruchirappalli, November 1999.
14. UGC Sponsored 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. UGC Sponsored National Conference on "Distributed Databases and Computing", Gobi Arts & Science College, Gobichettipalayam, March 2004.
17. UGC Sponsored 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. UGC Sponsored State level Seminar on "Application of Ultrasonic to Organic and Biomolecular Compounds", Jamal Mohamed College, Tiruchirappalli, September 2005.
20. UGC Sponsored State level Seminar on "Recent Advances in Thin Film Technology", Jamal Mohamed College, Tiruchirappalli, September 2005.
21. UGC Sponsored 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. TANSCH and UGC Sponsored Workshop on "Curriculum Development and Evaluation", Academic Staff College, Bharathidasan University, Tiruchirappalli, March 2006.
25. UGC Sponsored National Conference on "Computer Science and Communication Technology", St. Joseph's College, Tiruchirappalli, February 2007.
26. National Seminar on "Information Technology", Bharathidasan University, 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. UGC Sponsored State Level Workshop on "Research Prospects in Data Mining", Jamal Mohamed College, Tiruchirappalli, March 2007.
29. AICTE Sponsored 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. UGC Sponsored National Conference on "Advanced Computing", Jamal Mohamed College, Tiruchirappalli, March 2009.
34. UGC Sponsored International Conference on "Mathematical Methods and Computation", Jamal Mohamed College, Tiruchirappalli, July 2009.
35. UGC Sponsored National Conference on "Advanced Computing", Jamal Mohamed College, Tiruchirappalli, February 2010.
36. UGC Sponsored National Conference on "Advanced Computing", Jamal Mohamed College, Tiruchirappalli, March 2011.
37. UGC Sponsored 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. UGC Sponsored National Conference on "Advanced Computing", Jamal Mohamed College, Tiruchirappalli, March 2013.
41. 48<sup>th</sup> Annual Convention of Computer Society of India, Visakapatnam, December 2013.
42. UGC Sponsored National Conference on "Advanced Computing", Jamal Mohamed College, Tiruchirappalli, March 2014.
43. 49<sup>th</sup> Annual Convention of Computer Society of India, Hyderabad, December 2014.
44. UGC Sponsored National Conference on "Advanced Computing", Jamal Mohamed College, Tiruchirappalli, March 2015.

### **Reviewer / Board Member for International Conferences / Journals**

1. Reviewer, 52<sup>nd</sup> 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

### **Conferences / Conventions / Workshops Organized:**

1. Organized the Inter-collegiate Computer Convention, SWAP, for the first time in the history of Jamal Mohamed College in 1992. Since then organized the Convention from 1992 to 1995 and in 2000.
2. Editor for the Souvenir of the Annual Conventions – CLAP'92, JAMCOFEST'93, SWAP'95, SWAP'97, SWAP 2000, & SWAP 2K12
3. Member, Organizing Committee, SWAP-XBIT, a Computer Exhibition by the students, 2001 & 2002
4. Convener, Reception & Registration Committee, UGC Sponsored State Level Workshop on 'Research Prospects in Data Mining', Jamal Mohammed College, Tiruchirappalli, 2007.

5. Convener, Reception & Registration Committee, UGC Sponsored National Conference on 'Advanced Computing', Jamal Mohamed College, Tiruchirappalli, 2009, 2010, 2011, & 2012.
6. Convener, Reception & Registration Committee, SWAP, National Technical Symposium, Jamal Mohamed College, 2010 & 2011.
7. Convener for VarIT-2k11, a state-level technical symposium, conducted by the Department of Information Technology, Jamal Mohamed College, January 2011.
8. Editor for the Souvenir published to commemorate VarIT-2k11, January 2011.
9. Organized a Students' Computer Exhibition to commemorate VarIT-2k11 and the Diamond Jubilee Celebrations of the College, January 2011.
10. Staff Advisor & Convener, Programme Committee, SWAP-2K12, National Technical Symposium, Jamal Mohamed College, October 2012.
11. Organized a one-day Workshop on 'Android Applications Development' under Computer Society of India banner, March 2013
12. 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.
13. Convener, Finance Committee, SWAP-2K13, National Technical Symposium, Jamal Mohamed College, Tiruchirappalli, October 2013.
14. Chief Editor for the Souvenir published to commemorate VarIT-2k14, January 2014.
15. Organized a technical workshop on 'Android Apps Development Project' under CSI banner at Bharathidasan University Technology Park, Tiruchirappalli, January 2014.
16. Organized a Two-day workshop on 'Research Methodology in Computer Science' under CSI banner, at Jamal Mohamed College, Tiruchirappalli, March 2014.
17. Organized a National Workshop on 'Research Issues in Big Data Analytics' under CSI banner at Bharathidasan University Technology Park, Tiruchirappalli, March 2014.
18. Editor, CASCADE – The e-newsletter of the Computer Society of India – Tiruchirappalli Chapter.
19. Chief Editor for the Souvenir published to commemorate VarIT-2k15, January 2015.
20. Organized a National Seminar on 'Big Data Analytics' under CSI Banner at Bharathidasan University Technology Park, Tiruchirappalli, 25<sup>th</sup> February 2015.
21. Organized a National Workshop on 'Recent Trends in Human-Computer Interaction' under CSI Banner at Hotel Sangam / Srimathi Indira Gandhi College, Tiruchirappalli, 27<sup>th</sup> February 2015.
22. Organized a Two-day International Workshop on 'Image Processing Research with Matlab' under CSI Banner at Bharathidasan University Technology Park, Tiruchirappalli on 31<sup>st</sup> July & 1<sup>st</sup> August 2015.

**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. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. Acted as a guest and delivered a talk during the inauguration of Computer Society of India Student Branch at Nehru Memorial College, Puthanampatti, 16<sup>th</sup> March 2015.

#### **BHARATHIDASAN UNIVERSITY ASSIGNMENTS**

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1. Member (Subject Expert), Inspection Commission for starting M.Sc.(Computer Science) Programme at Annai College for Women, Karur, April 2014.
2. Member (Subject Expert), Inspection Commission for starting M.Sc.(Computer Science) Programme at Thanthai Hans Roever College, Perambalur, May 2014.
3. Member (Subject Expert), Inspection Commission for starting Ph.D.(Computer Science) Programme at Christuraj College, Tiruchirappalli, June 2014.
4. Member (Subject Expert), Review Inspection Commission for starting M.Sc.(Computer Science) Programme at Annai College for Women, Karur, February 2015.
5. Member (Subject Expert), Inspection Commission for starting BCA Programme at S.K. Arts and Science College, Nagapattinam, June 2015.

## **ADMINISTRATIVE EXPERIENCE**

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

## **ADDITIONAL RESPONSIBILITIES HELD / HOLDING**

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- Member, Internal Quality Assurance Cell, Academic Council, Examination Committee, Alumni Committee, Anti-ragging Committee, Jamal Mohamed College.
- Member, Board of Studies, Jamal Mohamed College.
- Web Administrator, Jamal Mohamed College.
- Staff Advisor, Jamal Mohamed College Website Design & Development Team.
- Member, Post Graduate Board of Studies, Bharathidasan University, Tiruchirappalli (2012-2015).
- 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 (Nov 2003 – Apr 2005).
- Additional Chief Superintendent, Autonomous Examinations (Nov 2005 – Apr 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.

## **COUNTRIES VISITED**

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- Singapore (Participated as a chief guest in a dialogue session with the members of the Alumni Association of Jamal Mohamed College Singapore Chapter) & Malaysia.

## **AWARDS**

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- Awarded the 'Significant Contribution Award' by the Computer Society of India (CSI) for the year 2013-2014 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 for its record number of activities conducted during the year.
- As the editor, the Tiruchirappalli Chapter of Computer Society of India won the "Best Chapter Newsletter Award" 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.



