PROFILE

Dr. A. M. J. Md. ZUBAIR RAHMAN., M.E., M.S., Ph.D., MISTE, MCSI
PRINCIPAL
AL-AMEEN ENGINEERING COLLEGE
KARUNDEVANPALAYAM
NANJAI UTHUKULI (P.O), ERODE – 638104.

Date of Birth : 05-12-1967
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OBJECTIVE

To be a self motivated next generation leader with the ability of adapting to rapidly changing technologies and environments with a strong desire to undertake challenging jobs and to work in a team with emotional intelligence to achieve the goals of an organization.

AREA OF INTEREST:

- Data Mining, Network Security & Database Management System
- Database technology

EDUCATIONAL QUALIFICATION

Ph.D.

University	: Anna University, Chennai
Year of completion	: August 2009
Area	: Data Mining

M.E. Computer Science and Engineering

Institution	: Kongu Engineering College, Perundurai
University	: Bharathiar University, Coimbatore
Year of completion	: April 2002
Class	: First Class

M.S. Software System

Institution	: Birla Institute of Technology and Science, Pilani
Year of completion	: April 1996
Class	: First Class

B.E. Computer Science and Engineering

     Institution   : Institute of Road and Transport Technology, Erode

     University   : Bharathiar University, Coimbatore

     Year of completion : April 1989

     Class   : First Class

PUBLICATIONS:-

- International Journal: 49 Papers.
- National Journal: 20 Papers.

INTERNATIONAL JOURNALS:-

1. M MOHAMED MUSTHAFA, K VANITHA, **AMJ MD ZUBAIR RAHMAN**, K ANITHA, An Efficient Approach to Identify Selfish Node in MANET", 2020 International Conference on Computer Communication and Informatics (ICCCI), IEEE, pp. 1-3.

2. K Vanitha, **AMJ Zubair Rahaman,** 2019, "Preventing malicious packet dropping nodes in MANET using IFHM based SAODV routing protocol", Cluster Computing, Springer US, vol. 22, no. 6, pp. 13453-13461

3. Sivakumar Venu, **AMJ Md Zubair Rahman,** 2019, Energy and cluster based efficient routing for broadcasting in mobile ad hoc networks" Cluster Computing, Springer US, vol. 22, no. 1, pp. 661-671.

4. M Anoopkumar, **AMJ Rahman, Md Zubair,** 2018, "Bound Model of Clustering and Classification (BMCC) for Proficient Performance Prediction of Didactical Outcomes of Students", INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS, SCIENCE & INFORMATION SAI ORGANIZATION LTD, vol. 9, no. 11, pp. 236-246.

5. Sivakumar Venu, **AMJ Rahman,** 2018, Routing Analysis for Broadcasting in Mobile Ad Hoc Network's Through Ad Hoc On-Demand Distance Vector, Journal of Computational and Theoretical Nanoscience, American Scientific Publishers, vol. 15, no. 4, pp. 1409-1414.

6. KP Porkodi, **AM ZubairRahman,** 2018, "ENHANCED UNDERWATER WIRELESS SENSOR NETWORKS SECURITY WITH TIC-TAC-TOE AI-MINIMAX ALGORITHM IN GAME THEORY", TAGA J. Graphic Technol, vol. 14, pp. 216-224.

7. N Jayapandian, **AMJ Md Zubair Rahman,** 2018 "Secure deduplication for cloud storage using interactive message-locked encryption with convergent encryption, to reduce storage space", Brazilian Archives of Biology and Technology, Tecpar, vol. 61.

8. M Anoopkumar, **AMJZ Rahman,** 2018, "Model of Tuned J48 Classification and Analysis of Performance Prediction in Educational Data Mining", Int. J. Appl. Eng. Res, vol. 13, no. 20, pp. 14717-14727.

9. **AMJMD ZUBAIR RAHMAN,** SIVAKUMAR VENU, 2018, "FAODV, DSR, DSDV PERFORMANCE ANALYSIS FOR BROADCASTING IN MANET", Taga Journal, vol. 14, pp. 1179-1187.

10. M.Mohamed Musthafa K Vanitha, K Anitha, **A.M.J.Md Zubair Rahaman,** 2018, "Analysis of Cryptographic Techniques in Network Security", Journal of Applied Science and Computations, vol. 5, no. 8, pp. 155-163.

11. **Zubair Rahaman A.M.J.** Vanitha K., 2018, "Preventing malicious packet dropping nodes in MANET using IFHM based SAODV routing protocol", Cluster Computing, pp. 1-9.

12. **Rahman A.M.J.**M.Z. Venu S., 2018, "Effective routine analysis in MANET's over FAODV", IEEE International Conference on Power, Control, Signals and Instrumentation Engineering, ICPCSI 2017, pp. 2016-2020.

13. **A.M.J.Md.Zubair Rahman** and <u>Balasubramanie</u> P.(2009), 'Weighted Support Association Rule Mining using Closed Itemset Lattices in parallel', IJCSNS – International Journal of Computer Science and Network Security, Vol. 9, No.3, pp.247–253.

14. **A.M.J.Md.Zubair Rahman** and <u>Balasubramanie</u> P and Venkata Krishna P.(2009), 'A Hash based Mining Algorithms for Maximal Frequent Item Sets using Linear Probing', INFOCOMP International Journal of Computer Science, Vol.8, No.1, pp. 14–19.

15. **A.M.J.Md.Zubair Rahman** and <u>Balasubramanie</u> P.(2008), 'Forming Validation, Verification and Updation of Web client Clusters using Prefetching and Socket Clones Methods', International Journal of Information Technology, DOI:<u>10.3923/itj.2008.338.343</u>, Vol. 7, Issue 2 , pp. 338–343.

16. **A.M.J.Md.Zubair Rahman** and <u>Balasubramanie</u> P. (2008), 'An Efficient Algorithm for Mining Maximal Frequent Item Sets', International Journal of Computer Science, Vol.4, No.8, pp. 638–645.

17. **A.M.J.Md.Zubair Rahman** and <u>Balasubramanie</u> P. (2009), 'GSSM – Graded Support Sequential Pattern Mining Method', International Journal on Advanced Computing and Communications (IJACC), Vol.1. No.1, pp.2–10.

18. **A.M.J.Md.Zubair Rahman**, "Optimized Service Level Agreement Negotiation System for Web Services: case study" at International Journal of Computer Network and Security (IJCNS), Vol 4. No.1, ISSN: 0975–8283, Mar-2012.

19. **A.M.J.Md.Zubair Rahman** "Improving Load Balance and Secure Data Flow of Online Web Applications" at European Journal of Scientific Research (EJSR), ISSN 1450–216X, Vol.78, No.2,pp.282–292.June 2012.

20. **A.M.J.Md.Zubair Rahman** "Validation and Classification of Web Services using Equalizing Validation Classification" to Journal of Internet Banking and Commerce (JIBC), vol.17, no.3 pp.1–21, December 2012.

21. **A.M.J.Md.Zubair Rahman,** "Evaluation of Service Transactions and Selection of Quality offered services in a Business Environment" International Journal of Enterprise Information System (IJEIS).

22. **A.M.J.Md.Zubair Rahman**, "Fuzzy Rule Base Service Level Agreement Generation Algorithms for web based Multiparty Negotiation Systems", International Journal of Cooperative Information systems (IJCIS).

23. **A.M.J.Md.Zubair Rahman** "An Analysis of Issues in Security and Routing Protocol in MANET" International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 3 Issue 1, January – 2014.

24. **Dr.A.M.J.Md.ZUBAIR RAHMAN** "Is E-Learning a Positive Raindrop of Cloud: A Literature Review" International Conference on Advances in Science and Technology (ICAST – 2014) February held at Bangkok.

25. **A.M.J.Md.Zubair Rahman** "A Particle Swarm Optimization Algorithm for Job Shop Scheduling in Grid Environment" Elixir International Journal ELIXIR ISSN: 2229-712X, Elixir Comp. Sci. & Engg. 38 (2011) 4353-4357.

26. **A.M. J. Md. Zubair Rahman** and Alamelu, "Improving Load Balance and Secure Flow of Datas for Online Web Applications" European Journal of Scientific Research, Vol.78 No.2 (2012), pp.282-292.

27. **A.M.J. Mohamed Zubair Rahman** and Alamelu, "EVALUATION OF SERVICE TRANSACTIONS AND SELECTION OF QUALITY OFFERED SERVICES IN A BUSINESS ENVIRONMENT", American Journal of Applied Sciences, 11 (2): 207-215, 2014.

28. **A.M.J.Md Zubair Rahman** and Alamelu, "Optimized Service Level Agreement Negotiation System for Web Services: Case Study" International Journal of Computer Network and Security(IJCNS), Vol 4. No 1. Jan-Mar 2012, pp. 38-41

29. **A.M.J.Md.Zubair Rahman** and Alamelu," SECURE SCRUTINY OF REQUESTOR COLLECTIVE INFORMATION FOR MULTI-CLIENT SERVICES", Jokkull Journal, *Vol 63, No. 9;Sep 2013, pp. 177-185*

30. **A.M.J.Md.Zubair Rahman** and Alamelu, Validation and Classification of Web Services using Equalization Validation Classification, *Journal of Internet Banking and Commerce, December 2012, vol. 17, no.3,*

31. **A.M.J.Md. Zubair Rahman** and N.Jayapandian, "A particle swarm optimization algorithm for job shop scheduling in grid Environment, *Elixir Comp. Sci. & Engg. 38 (2011) 4353-4357.*

32. **A.M.J.Md. Zubair Rahman** and N.Jayapandian, "Review of Information Privacy and Security Issues for Health Care Industry in Cloud Computing "International Journal of Research in Information Technology and Sciences – IJRITS, Vol 01, Issue 01; April 2012, pp. 54-59

33. **A.M.J.Md. Zubair Rahman** and N.Jayapandian, "The New Evaluation of Load Balancing In Cloud Computing Environment, ABI International Journal of Modern Science & Engineering, (1)1 January-June 2012. pp. 20-26

34. **Dr. A.M.J. Md. Zubair Rahman** and N.Jayapandian, "A Scalable Solution to the Wireless Personal Cloud Service Providers to Allocate Maximize Resources to Users", Wireless Personal Communications An International Journal, 2015, vol. 85, no. 3.

35. **Dr. A.M.J. Md. Zubair Rahman** and N.Jayapandian, "Enhanced Security Framework To Protect Orphanage Sensitive Data Using Claim-Carry-Catch Method In Cloud Environment", ARPN Journal of Engineering and Applied Sciences, VOL. 10, NO. 7, pp. 3102 - 3107

36. **Dr. A.M.J. Md. Zubair Rahman** and N.Jayapandian, "Enhanced Multi Owner Security System in Cloud Environment using Offensive Digital Forensics and Decoy Technology (DFD), International Journal of Applied Engineering Research, 2015, Vol. 10 No.38, pp. 28506 -   28511

37. **Dr. A.M.J. Md. Zubair Rahman** and N.Jayapandian, "Hadoop Mapreduce in Cloud Computing using Ant Colony Algorithm", Transactions on Engineering and Sciences, Special Issue on International Conference on Synergistic Evolutions in Engineering (ICSEE) – 2015, pp. 140 - 143

38. **Dr. A.M.J. Md. Zubair Rahman** and N.Jayapandian, "Orphanage Home Management System Using Cloud With Data Anonymization", International Journal of Applied Engineering Research, 2015, vol. 10, No. 76, pp. 237 – 241.

39. **Dr. A.M.J. Md. Zubair Rahman** and N.Jayapandian, "The Online Control Framework on Computational Optimization of Resource Provisioning in Cloud Environment", Indian Journal of Science and Technology, 2015, vol. 8, No. 23.

40. **Dr. A.M.J. Md. Zubair Rahman** and N.Jayapandian, "Secure Online Control Framework For Multi Cloud Storage System Using Authorized Deduplication Method", Journal Of Applied Sciences Research, 2015, vol. 11, No. 23, pp. 79-85

41. A.M.Mohamed Abdul Khader , **Dr.A.M.J.Md.Zubair Rahman**, "An Efficient Bit Stream Compression Technique for Reconfigurable Systems", International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.38 (2015), pp. 28727- 28732.

42. Rameshkumar. N, **Md. Zubair Rahman. A.M.J**, "Dynamic Performance Analysis of Vector Controlled Pv Powered Induction Motor Drive" International Journal of Applied Engineering Research, Volume 10, Number 2 (2015) pp. 3957-3966.

43. Rameshkumar. N, **Md. Zubair Rahman. A.M.J**, "Performance Analysis of PV Fed Vector Controlled Induction Motor Drive Using FLC", ADVANCES in NATURAL and APPLIED SCIENCES, 2015 Special; 9(17): pages 281-290.

44. Rameshkumar. N, **Md. Zubair Rahman. A.M.J**, "Performance Analysis Of Pv Fed Vector Controlled Induction Motor Drive, "International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.38 (2015).

45. K.Vanitha and **Dr.A.M.J.Md.ZubairRahman**, "An Efficient Analysis Of Black Hole Attack On Aodv Routing Protocol In Mobile Adhoc Networks" International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.38 (2015).

46. K.Vanitha and **Dr.A.M.J.Md.ZubairRahman**, "An Analysis of Issues in Security and Routing Protocol in MANET", International Journal of Engineering Research & Technology (IJERT), Vol. 3 Issue 1, January – 2014, pp. 1594- 1599.

47. **Zubair Rahman A.M.J**. Jayapandian N., 2017, "Secure and efficient online data storage and sharing over cloud environment using probabilistic with homomorphic encryption" Cluster Computing, vol. 20, no. 2, pp. 1561-1573.

48. M Anoopkumar, **AMJ Md Zubair Rahman,** 2016 "A Review on Data Mining techniques and factors used in Educational Data Mining to predict student amelioration" IEEE – SAPIENCE, 122-133

49. N Jayapandian, **AMJ Md Zubair Rahman**, 2018, "Secure deduplication for cloud storage using interactive message-locked encryption with convergent encryption, to reduce storage space" Brazilian Archives of Biology and Technology, vol. 61.

NATIONAL CONFERENCE:-

1. Presented a paper in the National Conference titled "**Closure Rule Mining with Improved Hash Based Frequent Patternson** "on 16th February 2009 at SNS College of Technology.

2. Presented a paper "**An Updated Efficient Mining Rules Using Temporal Database** in the International Conference on "**Resource Utilisation and Intelligent Systems**, during 4 th - 6 th January 2006 at Kongu Engineering College.

3. Presented a Paper in the National Conference titled "**Constraint Based Sequential Pattern Mining from Multidimensional Sequence Data**" on 5th October 2007 at SNS College of Technology.

4. Participated in the Staff Development Programme titled on "**Secured Computing**" during 15.03.2007 – 28.03.2007 at Kongu Engineering College.

5. Presented a Paper in the National Conference titled "**Implementation of Temporal Document Databases Using Mining Rules**" on 6th October 2006 at SNS College of Technology.

6. Presented a Paper in the CSIR Sponsored Seminar on "**Grid Based Data Mining and its Applications**" during 29.07.2008, 30.07.2008 at Kongu Engineering College.

7. Presented a Paper in the National Conference on IT Applications for rural development and health care titled "**Application of Image Mining for Brain Tumour Analysis**" on 03.03.2005, 04.03.2005 at Kongu Engineering College.

8. Presented a Paper in the National Conference titled "**Efficient Mining Rules Using Temporal Databases**" on 6th October 2005 at SNS College of Technology.

9. Presented a Paper in the CSIR Sponsored Seminar titled on "**Mathematical Modelling and Computer Simulation**" during 18.08.2006, 19.08.2006 at Kongu Engineering College.

10. Presented a Paper in the National Conference on IT Applications for rural development and health care titled "**User Interactive Mining for Rural Development**" on 29.03.2006, 30.03.2006 at Kongu Engineering College.

Relevant Information

I have around 25 years of experience in Business, Academic, Research and Software Development in several Organizations, Entrepreneurial Acumen and Research Excellence in the area of Data Mining, Android Pervasive Computing and Communication Systems. I got the best teachers award from Erode Educational Academy in the year of 2013 and won the best project from IMLA entitled as "**Well – Mounted Android Technology**".

I have published more than 49 Research Publications in International Journals and Conference Proceedings of repute and two pending patents in the area of Wireless Networking, Android and Pervasive computing. More than 5 Research Projects are going on.

I have worked as a Principal Research Engineer Ad-Hoc Network Research and Applications Group and a Centre of Excellence at Subhikshaa Information Technology, Erode. I am a Research Supervisor in Anna University, Chennai as well as in Karpagam University and Bharathiar University, Coimbatore and in VELS University, Chennai and in Bharath University, Chennai.

I have completed my Ph.D., in Association Rule Mining algorithms in 2009 in Anna University, Chennai and have completed my M.S., (Software Systems) in BITS Pilani, India in 1995 and have completed M.E., (Computer Science & Engineering) in Bharathiar Univeristy, Coimbatore in 2002 and have completed B.E., (Computer Science & Engineering) in Institute of Road and Transport Technology, Bharathiar University, Coimbatore in 1989.

I have been elected as the Executive Council Member of the prestigious organization ISTE, New Delhi from **2020 to 2024.**

(Dr. A. M. J. Md. ZUBAIR RAHMAN)