## Department of Information Technology

| Personal Details | |
|---|---|
| Name: | Dr.S. Subburam |
| Designation: | Professor and Head |
| Educational Qualification: | M.E., Ph.D. |
| Experience: | 30 years |
| Area of Specialization: | Mobile Ad hoc Network, |

| Educational Details | | | | |
|---|---|---|---|---|
| S.No. | Degree | Branch/Specialization | Institute/University | Year |
| 1 | B.E. | Computer Engineering | Madurai Kamaraj University | 1989 |
| 2 | M.E. | Computer Science and Engineering | Madurai Kamaraj University | 1997 |
| 3 | Ph.D. | Computer Science and Engineering / Mobile Ad hoc Network, | Sathyabama University | 2014 |

## Publication Details

International Journal

[1] S.Subburam Abinaya, Jayapriya, Swathi, Velvizhi, Dr. Kalyana Sundaram, Dr. Siva Subramanian International Journal of All Research Education and Scientific Methods (IJARESM), A Review on FB-COC for Multimedia Forensics Using Block Chain Techniques ISSN: 2455-6211, Volume 11, Issue 5, May-2023, Available online at: https://www.ijaresm.com/a-review-on-fb-coc-for-multimedia-forensics-using-block-chain-techniques

[2] S. Subburam S. Geetha , , S. Selvakumar , Seifedine Kadry, Robertas Damasevicius , ( July 2021) Steganogram Removal using Multidirectional Diffusion in Fourier Domain while Preserving Perceptual Image Quality International Journal Pattern Recognition Letters Volume 147 Published by Springer.

[3] S Subburam, M Sindhuja, S Sivakamasundari J. Hesmadharshini (February 2021) "Preemptive route maintenance methods" Materials Today : Proceedings" Published by Elsevier.

DOI:10.1016/j.matpr.2020.12.911.

[4] S Subburam, M Priyadarsini, S Jenifer (February 2021) An advanced automated bus ticket fare collection system for metropolitan cities using GPS and RFID technologies. Materials Today : Proceedings" Materials Today : Proceedings" Published by Elsevier. https://doi.org/10.1016/j.matpr.2020.12.896.

[5] S. Subburam, Blessing Christiana, T. Nathiya, M. Jasmin Aishwarya (February 2021) Alerting and emergency situation handling system for the visually-challenged people . Materials Today : Proceedings" Materials Today : Proceedings" Published by Elsevier. https://doi.org/10.1016/j.matpr.2020.12.914

[6] S.Subburam , R. Vijayakothandaraman, P.K. Chidambaram, S. Gini, (April 2020) "Marine Oil Separator" European Journal of Molecular & Clinical Medicine, 2020, Volume 7, Issue 11, Pages 2340-2342.

[7] S.Subburam, G.Simi Margarat, R.Priyadharshini, N.Divakar (August 2020) "Innovative Security Model of Big Data using Hadoop Technology, Innovative Security Model of Big Data using Hadoop Technology", International journal of innovative research in computer and communication engineering (IJIRCCE) Volume 8, Issue 8 Pages 3555 – 3563.

[8]S Subburam , K.A Jothi, , V Umadevi (February 2021) Heart disease prediction system using machine learning Materials Today : Proceedings" Materials Today : Proceedings" Published by Elsevier.

[9]  Subburam S ,Aishwarya T, Suprena Mathew, , Kapila Vani R.K.(March 2018) "Influential Node in online Social Networks using Spark" International Journal of Creative Research Thoughts (IJCRT) Vol 6, Issue 1.
[10]  Haritha M, Priya R, S. Subburam, Kapila Vani R.K (March 2018) "Mobile Navigation in Emergency Situation using Wireless Sensor Networks" International Journal of Scientific Research in Computer Science Applications and Management Studies" Volume 7, Issue 2.
[11]  S. Subburam,S. Selvakumar, S. Geetha (May 2017) "High performance reversible data hiding scheme through multilevel histogram modification in lifting integer wavelet transform" International Journal of Multimedia Tools and Applications Vol. 77, Issue 6, Page No : 7071–7095. ISSN: 1573-7721 (Electronic Version) Published by Springer.
[12]  S.Subburam, S. Revathi, T. Senthilkumaran, and A. Muruganandham (April 2017) "Opinion Based Security Using Exponential Smoothing Method in Mobile Ad-Hoc Network" Journal of Computational and Theoretical Nanoscience Vol. 14, 1–7.Published by American Scientific Publishers.
[13]  Anitha.V, Priyanka .R , Subburam.S ,Kapila Vani R.K ( February 2017) "Secure Multimedia Content Protection and Sharing" International Research Journal of Engineering and Technology (IRJET) Vol. 4, Issue 2.
[14]  S. Rajalakshmi,S. Niveda, S Subburam, R. K Kapilavani (February 2017) "Real Time Analysis in Decentralized Energy System Using Genetic Algorithm" International Journal of Innovative Research in Computer and Communication Engineering Vol. 5, Issue 2, Page No : 1544-1552. ISSN(Online): 2320-9801.
[15]  Subburam.S, Senthil Kumaran.T (May 2016) "An Innovative Design Approach to Control over Ad hoc Networks" Circuits and Systems Volume 7, Pages 971-982.
[16]  Sarfaraz Ahmed.A, Senthil Kumaran .T, Syed Abdul Syed.S ,Subburam.S (March 2015) "Cross-Layer Design Approach for Power Control in Mobile Ad Hoc Networks" Egyptian Informatics Journal Volume 16, Issue 1, Pages 1–7 published by Elsevier.[SNIP 0.857 and SJR 0.252]

[17]  Subburam.S and Sheik Abdul Khader.P(August 2012) "Efficient Broadcasting using Preventive Congestion Mechanism in Mobile ad Hoc Network" European Journal of Scientific Research Vol.83 No.2 (2012), pp.302-313, [SNIP 0.736 and SJR 0.209 Cited by 1 journals].

[18]   Subburam.S and Sheik Abdul Khader.P (March 2009) "A Preemptive Routing for Ad Hoc Networks to Conserve Battery Power"International Journal of Engineering Research and Industrial Applications Vol.2,No.2(2009) pp 15-31.ISSN 0974-1518.

National Journal

[19]   Subburam.S and Sheik Abdul Khader.P (November 2012) "Efficient two hop Local Route repair mechanism using QoS- aware route discovery method for mobile ad hoc networks." for the "Indain Journal of Science and Technology" Chennai. Vol.5 No.11 (2012), pp.3651-3659. ISSN:0974-6846 [IC Value : 5.02 Cited by 3 journals].

[20]  Subburam.S and Sheik Abdul Khader.P (November 2012) "Predictive congestion control mechanism for MANET" for the "Indian Journal of Computer Science and Engineering" Vol 3 No.5 (2012), pp 640-651.ISSN: 0976-5166.[Cited by 2 journals]

**International Conference**

[1 ] Subburam.S and Sheik Abdul Khader.)"Recovering and optimization routing reply for AODV in mobile ad-hoc networks " for the International Conference on Modern Trends in Information Technology (ICMTIT'12) organized by International Scientific Academy of Engineering & Technology Kuala Lumpur ( Malaysia). P P December 2012

[2 ] Subburam.S  and Sheik Abdul Khader.P "Congestion Adaptive Most Favorable Control Routing in ad hoc Networks" for the Fourth International Conference on Networks & Communications organized by NETCOM-2012 Chennai, India, [SNIP 0.286 and SJR 0.137 Cited by 1 journals] P (December 2012

[3] Subburam.S and Sheik Abdul Khader.P "An algorithamic approach to improve the QoS in mobile ad hoc networks" for the 3rd International Conference on Impact of Economic crisis in Global business scenario" organized by Sri Sairam Institute of Management Studies, Chennai, India. September 2009

[4 ] Subburam.S and Sheik Abdul Khader.P, SenthilKumaran.T (December 2007)  "Reducing Control Packets in AODV – based Routing in Ad hoc Networks"International Conference on Trendz  in Information Sciences and Computing (TISC 2007) Organized by Sathyabama University ,Chennai, India.

 [5] G. Simi Margarat, Dr. S. Siva Subramanian "Ball Detection Using Difference Mean-A Report, Elsevier-
 SSRN International Conference On Recent Trends In Computing, Communication And Networking
 Technologies, Organized by Kings Engineering College, Chennai, October18,2019

National Conference

 [1] Subburam.S and Sheik Abdul Khader.P (August 2013) "An Efficient Broadcasting method Along With Rebroadcast Probability for Mobile Ad-Hoc Networks" for the National Conference on "Broad Band Communication & Technology (NCBBCT2013)" organized by Department of Electronics and Communication Engineering MANIT,Bhopal.

[2] Subburam.S and Sheik Abdul Khader.P (July 2010) "An Enhanced AODV Routing Protocol with well Organized Congestion Adaptive Technique in Ad hoc Network."National Conference on Computing Concepts in Current Trends ( NC4T'10) Organized by Satybama University,Chennai.

[3] Subburam.S, Ilanchezhiapandian.G and Sheik Abdul Khader.P (February 2009) "AP Route Reply for On-Demand Routing Protocols in Mobile Ad-hoc Networks" National Conference on Computing and Communication (NCCC '09) Organized by Ganadipathy Tulsi's jain Engineering college,Vellore, India.
[4] S.Subburam and Dr.R.Srinivasan (July 2006) "Performance enhancement of On-demand routing Protocols in Mobile Ad hoc networks", National Conference at PSG College of Technology

[5] Subburam.S and Kathir vel.A (Dec 2003) "Quality of Service requirements to mobile ad-hoc networks" in National conference on "Network Enigneering " organized by A.K.College of Engineering -Krishnan koil, Srivilliputhur.
[6] Subburam.S and Kathir vel.A (May 2004) "Study of QoS routing protocols for the mobile ad-hoc network" in National conference on "Emerging trends in Engineering and Technology " organized by Dr.M.G.R Educational and Research Institute ,Chennai.

## Professional Society Membership

1. ISTE (The Indian Society for Technical Education )Life Member:LM59454

## Program Organized

FDP/STTP
Organized the short-term course on "Unified Modeling Language" sponsored by the A.I.C.T.E and conducted by the Department of Information Technology, Crescent Engineering College, Vandalur, during 5th – 17th April 2003.

Workshop
Organised one day workshop on "Animation Technology ", organized by IT department, BSACEC on 2nd April 2009.

Seminar/Webinar
Organised a Seminar on "Self Management " by Dr.C.S.Ramachandran , organized by IT department, BSACEC on 31st March 2009.

## Program Attended

FDP/STTP
● Attended the AICTE – ISTE sponsored winter school in " Networking through windows NT " organized by CSE dept of BSA Crescent engineering college – Chennai during Nov 25th to 8th 1999. ●

Attended the short-term course on "Object Oriented Design And UML", organized by the department of computer applications in association with Indian society for technical education, Sri Venkateswara Engineering College. During 10-11 November 2005.

● Attended the short-term course on "TCP/IP and Socket programming", faculty development program organized by MEPCO Schlenk Engineering College, Sivakasi, during 21$^{st}$ Nov 05 to 3$^{rd}$ Dec 05. ● Attended the AICTE – QIP Workshop on Performance issues in Infrastructure less wireless network. During March 10$^{th}$ – 12$^{th}$ 2006

● Attended QIP on "Web Collaboration and Technology" conducted by Department of Information Technology, BSA Crescent Engineering College, Vandalur from 18-05-09 to 31-05-09 ● Attended a One-day Technical Seminar on "Virtualization Technologies "conducted by Department of Computer Science and Engineering, BSA University, Vandalur from 18-05-09 to 31-05-09. ● Attended Two Day seminar on "Security of Insecurity in Cyber – Space Challenges of Today and Tomorrow" Conducted by the Department of Computer Science and Engineering, held on 26 & 27, April 2010.

● Attended Seminar on Cyber Security Threats organized by IT department, BSA University on 29th July 2013.

● Completed the Corporate Training Program on Visual Modeling using UML with IBM Rational Software Architect Conducted from 16/07/2013 to 20/07/2013.

● Attended the Foundation Skills on Integrated Product Development (FSIPD) Train-the-Trainer Program from 09 – 07 -2015 to 13.07.2015

● Attended Seminar organized by Tata Consultancy Services on 9$^{th}$ March 2016. ● Attended FDTP on EC6703 - Embedded and Real Time Systems organized by Department of ECE, St.Joseph's Institute of Technology,Chennai from 15$^{th}$ May to 22$^{nd}$ May 2017.

● Attended Seminar organized by Zoho on 04.10.2018 at SSN college of Engineering. ● Attended 5 days online FDP of UHV for South Western Regional office SWRO August 2020 ● 3 Days Online FDP on Cyber Security and Ethical Hacking conducted by AICL in association with Infoziant Security , July 2020