


<p>Dr. Nirmala M B Associate Professor mbnirmala@sit.ac.in +91 9739302826, +91 816 221 4005</p>		
Educational Qualification	<ul style="list-style-type: none">• Ph. D from Visveswaraiiah Technological University, Belagavi• M.Tech. B M S College of Engineering Bangalore (VTU).• B.Tech. from University BDT college of Engineering, Davangere.	
Experience	Teaching	<ol style="list-style-type: none">1. Siddaganga Institute of Technology - 18 years2. Bapuji Institute of Engineering and Technology - 1 year
Area of Interests / Research	<ol style="list-style-type: none">1. Computer Networks2. Cryptography and Network Security3. Security in Wireless sensor networks	

Publications:

International Conferences

1. Nirmala M.B, B.B Amberker, Prashant Koulgi. "Some Implementation issues on Broadcast Encryption schemes". ADCOM-2006 an International Conference, NITK, Surthkal, 19th to 23rd December 2006.
2. Nirmala M.B , A.S. Manjunath. "Simulation and Analysis of Efficient node Admission Control for Ad Hoc Networks" Proceedings of International conference on Advanced Computing and communication Technologies for High performance Applications, FISAT, Ernakulam, Kerala, September 24-26,2008.
3. Nirmala M.B , A.S. Manjunath. "Secure Program Update using Broadcast Encryption for clustered wireless Sensor Networks", 6th IEEE conference wireless communications and sensor Networks, IIIT-Allahabad, UP, India, December 17-19, 2010.
4. Nirmala M.B, A. S Manjunath." Confidential Program update with dynamic key computation for clustered wireless sensor networks". Third International Conference on

- Communication Systems and Networks, COMSNETS 2011, Bangalore, India, January 4-8, 2011, , DOI: 10.1109/COMSNETS.2011.5716430.
5. Nirmala M.B, A.S Manjunath and Yogesh B.G, "Tiny SPU: Implementation and Analysis of Secure Program Update for Clustered Wireless Sensor Networks". ObCom 2011 ObCom International Conference on Recent Trends in Computing, Communication and Information Technologies. VIT University, Vellore, Dec 9-11, 2011.
 6. Chethana Ganga, Nirmala M.B and A.S. Manjunath. "A Secure and DoS-Resistant Code Dissemination Protocol for WSN using Mobile Nodes". International Conference on Industrial Applications of Soft Computing Techniques IIASCT 2011. Bhuvanesar, Orrisa, India, Aug 20-22, 2011.
 7. Nandini T, Nirmala M.B and A. S Manjunath, "Trust Based Robust Position Estimation in Wireless Sensor Networks". International conference on Advances in Recent Technologies in Communication and Computing, ARTcom 2012, Bangalore, Oct 19-20, 2012.
 8. Rajini M, Nirmala M.B and A. S Manjunath. "Secure Efficient Voting Based Localization Scheme for Wireless Sensor Networks". Proceedings of International Conference on Emerging Computation & Information Technologies, Siddaganga Institute of Technology, Nov 22-23, 2013.
 9. Sangeetha S, Nirmala M.B and A. S Manjunath. "Gradient Descent Approach with Covert Base Station to Secure Localization in Wireless Sensor Networks". Proceedings of International Conference on Emerging Computation & Information Technologies, Siddaganga Institute of Technology, Nov 22-23, 2013.
 10. Nayana, Nirmala M.B and A. S Manjunath, "Impertinent Trilateration: Localization of Wireless Sensor Network using Greedy Technique". International conference on Computer Science and Information Technology, CSIT-2013, Hyderabad, March 9-10, 2013.
 11. Nirmala M . B and A. S. Manjunath. "Framework for Pairwise Key Establishment Protocols for Wireless Sensor Networks", IEEE International conference on Contemporary Computing and Informatics (IC3I 2014), SJCE Mysore,India, Nov 27-29, 2014.
 12. Nirmala M . B and A. S. Manjunath. "Enhanced Voting Based Secure Localization for Wireless Sensor Networks" 9th IEEE International Conference on Industrial and Information Systems (ICIIS 2014), Atal Bihari Vajpayee Indian Institute of Information Technology and Management Gwalior, India, December 15-17. 2014.
 13. Nirmala M . B and A. S. Manjunath, "Mobile Agent based Secure Code Update for Wireless Sensor Networks", 29th IEEE International Conference on Information Networking (ICOIN2015), Korea Institute of Information Scientists and Engineers(KIISE)- SIEM REAP, CAMBODIA, 12-14 January 2015.
 14. Nirmala M . B and A. S. Manjunath, "SCUMG: Secure Code Update for Multicast Group in Wireless Sensor Networks", 12th IEEE Int'l Conf. on Information Technology: New Generations (ITNG 2015) April 13-15, 2015, Las Vegas, USA.
 15. Nirmala M . B and A. S. Manjunath, "Framework for Secure Code Updates for Wireless Sensor nodes", 12th IEEE Int'l Conf. on Information Technology: New Generations (ITNG 2015) April 13-15, 2015, Las Vegas, USA.
 16. Puneetha M.S and Nirmala M. B, "Energy Efficient Power Aware VM Scheduling in Decentralised Cloud", Proceedings of Second IEEE International Conference on Emerging Computation & Information Technologies, Siddaganga Institute of Technology, Dec 15-16, 2017.

International Journals

1. Nirmala M.B, Nayana and A. S Manjunath, "Localization of WIRELESS Sensor Networks using Robust Estimated Trust Evaluation Model". International Journal of Scientific Engineering and Technology, Volume-2, Issue-7, pp 729-732, ISSN 2277-1581, July 2013.

2. Nayana, Nirmala M.B and A. S Manjunath, "Impertinent Trilateration: Localization of Wireless Sensor Network using Greedy Technique". *International Journal on Graduate Research in Engineering and Technology*, Volume-1, Issue-2, 2013, ISSN 2320-6632.
3. Shruthi P, Nirmala M.B and A. S Manjunath, "Secured Modified Blooms's based Q-composite Key Distribution for Wireless Sensor Networks". *International Journal on Advanced computing and Information Technology*, Volume-2, Issue-3,2013, ISSN (print): 2319-2526.
4. Nirmala M B and A S Manjunath, "TROPE: Trust Based Secure Robust Position Estimation in Wireless Sensor Networks. *Computer Applications: An International Journal*, Volume-1, No. 1, pp 23-31, August 2014.
5. Nirmala M B, A S Manjunath and Rajani M, "Secure and Efficient Voting Based Localization Scheme for Wireless Sensor Networks", *BIJIT -2014, BVICAM's International Journal of Information Technology*. July - December, 2014, Vol. 6 No. 2, ISSN 0973 – 5658 .(Impact Factor 0.605).
6. Nirmala M B and A S Manjunath, "Implementation of Secure Code Dissemination Protocol for Border Sensor Nodes", *European Journal of Advances in Engineering and Technology*. Volume 2, Issue-1, 2015, ISSN 2394 - 658X, Pages 1-7.
7. Nirmala M B and A S Manjunath," Enhanced Voting based Secure Localization for Wireless Sensor Networks", *International Journal of Computer Network and Information Security*, 2015, Volume 7, Issue 12, 2015, pages 52-59. (DOI: 10.5815/ijcnis.2015.12.0).
8. Shilpa H. B and Nirmala M. B, "Mobile Target Tracking Using Prediction Scheme In Wireless Sensor Networks", *International Journal of Research in Engineering and Technology* eISSN: 2319-1163, pISSN: 2321-7308, Volume- 05, Issue- 09, Sep-2016, Pages 149-155.
9. Deepika B and Nirmala M. B, "A Survey on Cloud Based Business Intelligence and Analytics", *International Journal on Recent and Innovation Trends in Computing and Communication*", ISSN 2321-8169, volume 5, Issue 4, April 2017, Pages 95-99.
10. Nirmala M. B and Manushree H K, "A Survey on Recommendation System in E-Commerce", *International Journal on Recent and Innovation Trends in Computing and Communication*", ISSN 2321-8169, volume 5, Issue 4, April 2017, Pages 77-80.

Book Chapter

Nirmala M.B, A.S Manjunath and Yogesh B.G, "Tiny SPU: Implementation and Analysis of Secure Program Update for Clustered Wireless Sensor Networks". *Global Trends in Computing and Communication Systems Communications in Computer and Information Science* , Springer, Volume 269, 2012, pp 703-713, 10.1007/978-3-642-29219-4_80, ISBN 978-3-642-29218-7.