

**Name** : Mr. B. NARASIMHAN  
**Designation** : Assistant Professor  
**Department** : Computer Technology  
**Qualification** : M. Sc., M. Phil., (Ph.D.)  
**Experience** : Teaching: 11years 11 months      Research: 6 years  
**Area of Specialization(s)** : Computer Networks, Soft Computing  
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### Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Computer Science	Government Arts College, Coimbatore	Pursuing
M. Phil.	Computer Science	Bharathiar University	2009
M. Sc	Computer Communication	Bharathiar University	2007
B.C.A.	Computer Applications	Annamalai University	2004

### Research Publications (Indexed)

#### International

- 1) B. Narasimhan, S. Santhosh Baboo, **A Hop-by-Hop Congestion Aware Routing Protocol for Heterogeneous Mobile Ad-hoc Networks**, International Journal of Computer Science and Information Security, vol. 3, no. 1, pp. 129-135, 2009.
- 2) S. Santhosh Baboo, B. Narasimhan, **Genetic Algorithm based Congestion Aware Routing Protocol for Mobile Ad hoc Networks**, ELSEVIER Procedia Technology, vol. 4, no. 2, pp. 177-181, 2012.
- 3) S. Santhosh Baboo, B. Narasimhan, **A QoS Backbone based Minimum Delay Routing Protocol for Mobile ad-hoc network**, ACTAPRESS IJCA, vol. 34, no. 2, pp. 134-141, 2012.
- 4) B. Narasimhan, R. Vadivel, **Adaptive Position based Reliable Routing Protocol (APBRRP) for Mobile Ad Hoc Networks**, International Journal of Computer Applications, vol. 52, no. 14, pp. 43-46, 2012.
- 5) R. Vadivel, B. Narasimhan, **Power Aware Range-based MAC Protocol for Scalable Mobile Ad hoc Networks**, International Journal of Computer Applications, vol. 49, no. 11, pp. 17-20, 2012.

- 6) R. Vadivel, B. Narasimhan, **A Novel Energy Efficient Authentic Reliable Routing Protocol (EEARRP) for Scalable Mobile Ad hoc Networks**, International Journal of Computer Applications, vol. 56, no. 13, pp. 22-25, 2012.
- 7) B. Narasimhan, R. Vadivel, **QoS Aware Reliable Cluster based Routing Protocol (QoS-RCBRP) for Heterogeneous Mobile Ad-Hoc Networks**, International Journal of Computer Applications, vol. 59, no. 12, pp. 22-27, 2012.
- 8) R. Vadivel, B. Narasimhan, **Reliable Geographic Routing Protocol (RGRP) towards Improving Quality of Service (QoS) in Heterogeneous Mobile Ad Hoc Networks**, International Journal of Computer Applications, vol. 60, no. 15, pp. 43-48, 2012.
- 9) B. Narasimhan, R. Vadivel, **Secured Reliable Multipath Routing Protocol (SRMRP) using Trust Computation and Carrier Sense Multiple Access with Collision Intimation (CSMA/CI) for Heterogeneous IP-based Mobile Ad-hoc Networks**, International Journal of Computer Applications, vol. 60, no. 10, pp. 451-458, 2012.
- 10) Baboo, S Santhosh; B. Narasimhan, **Genetic algorithm based congestion aware routing protocol (GA-CARP) for mobile ad hoc networks**, Procedia Technology, vol. 4, no. 1, pp. 177-181, 2012.
- 11) Santhoshaboo, Sethuraman; B. Narasimhan, **A Qos Backbone Based Minimum Delay Routing Protocol for Mobile Ad Hoc Networks**, International Journal of Computers and Applications, vol. 34, no. 1, pp. 36-41, 2012.
- 12) B. Narasimhan, R. S. Padmapriya, **Fuzzy Logic Based Energy Aware Clustering Protocol (FL-EACP) For Heterogeneous Mobile Ad Hoc Networks**, International Journal of Advanced Research in Computer Science and Software Engineering, vol. 3, no. 4, pp. 37-41, 2013.
- 13) B. Narasimhan, R. Vadivel, **An Enhanced Energy-Efficient Clustering Routing Protocol (EEECRP) For Heterogeneous Mobile Ad Hoc Networks**, International Journal of Advanced Research in Computer Science, vol. 4, no. 9, pp. 35-39, 2013.
- 14) B. Narasimhan, R. Balakrishnan, **Energy Efficient Ad-Hoc On-Demand Distance Vector (EE-AODV) Routing Protocol For Mobile Ad Hoc Networks**, International Journal of Advanced Research in Computer Science, vol. 4, no. 9, pp. 66-70, 2013.
- 15) B. Narasimhan, T. Girija, **A Performance Improvement System (College-Net) for Energy Saving in Campus Networks towards Green Computing**, International Journal of Computer Science and Engineering Technology, vol. 4, no. 4, pp. 388-391, 2013.

- 16) B. Narasimhan, D. Maheshwari, **Energy Conscious Reliable Routing Protocol (ECRRP) Based On Fuzzy Logic Towards Clustering In Wireless Ad Hoc Networks**, International Journal of Advanced Research in Computer Science, vol. 4, no. 4, pp. 187-190, 2013.
- 17) B. Narasimhan, M. Kannan, V. Jaiganesh, **Towards Improving Reliability in Cognitive Radio Ad hoc Networks**, International Journal of Advanced Research in Computer and Communication Engineering, vol. 3, no. 9, pp. 7885-7888, 2014.
- 18) B. Narasimhan, T. Girija, **Reduced Cost Sensor Planning Mechanism for Extended Network Lifetime in Surveillance Sensor Networks**, International Journal of Advanced Research in Computer and Communication Engineering, vol. 3, no. 2, pp. 5578 - 5580, 2014.
- 19) B. Narasimhan, Vadivel, R, **Reliable Dynamic Source Routing Protocol (RDSRP) for Energy Harvesting Wireless Sensor Networks**, ICTACT Journal on Communication Technology, vol. 6, no. 1, pp. 41-44, 2015.
- 20) Rathi, M; B. Narasimhan, **Data Mining, Soft Computing, Machine Learning and Bio-Inspired Computing for Heart Disease Classification/Prediction–A Review**, International Journal Advanced Research in Computer Science and Software Engineering, vol. 7, no. 4, pp. 38-42, 2017.
- 21) B. Narasimhan; Malathi, A, **Artificial Lampyridae Classifier (ALAC) for coronary artery heart disease prediction in diabetes patients**, International Journal of Advance Research, Ideas and Innovations in Technology, vol. 5, no. 2, pp. 683 - 689, 2019.
- 22) B. Narasimhan; Malathi, A, **Improved Evolutionary Support Vector Machine Classifier for Coronary Artery Heart Disease Prediction among Diabetic Patients**, Library Philosophy and Practice, vol. 29, no. 3, pp. 101-106, 2019.
- 23) B. Narasimhan; Malathi, A, **Altered particle swarm optimization based attribute selection strategy with improved fuzzy Artificial Neural Network classifier for coronary artery heart disease risk prediction**, Int. J. Adv. Res. Ideas Innov. Technol, vol. 5, no. 3, pp. 1196-1203, 2019.
- 24) B. Narasimhan; Malathi, A, **Improved fuzzy artificial neural network (IFANN) classifier for coronary artery heart disease prediction in diabetes patients**, International Journal of Applied Research, vol. 9, no. 4, pp. 661-667, 2019.

#### **Other Publications : International /National**

- 1) R. Vadivel, B. Narasimhan, **A Software Engineering Tool Model towards Textile Industry**, Textile Review, vol. 5, no. 6, pp. 42-43, 2010.

### **Book Published: Edited**

- 1) Proceedings of the Second International Conference on Research Trends in Computer Technologies (ICRTCT-2014), ISBN:978-93-82570-18-9.
- 2) Proceedings of the First International Conference on Research Trends in Computer Technologies (ICRTCT-2013), ISBN:978-93-82570-00-4.

### **Participation in Conference**

- 1) **Achieving Academic Excellence Through Internal Quality Assurance Cell**, Dr. N.G.P. Arts and Science College, Coimbatore , 9 &10-Dec-11.
- 2) **Issues in Higher Education**, Dr. N.G.P. Arts and Science College, Coimbatore,29-Oct-10.

### **Participation in Faculty Development Programme**

- 1) **Mobile App Development**, Akshaya College of Engineering and Technology, Coimbatore, 24<sup>th</sup> to 28<sup>th</sup> August 2015.
- 2) **NSTEDB Sponsored Faculty Development Programme in Entrepreneurship**, Nehru Group of Institutions, Coimbatore, 9<sup>th</sup> April 2018 to 21<sup>st</sup> April 2018.
- 3) **Seven Day Faculty Development Programme on NAAC Revised Accreditation Framework and OBE Assessment Methodology**, Dr. N.G.P. Arts and Science College, Coimbatore, 27<sup>th</sup> May 2019 to 02<sup>nd</sup> June 2019.

### **Conference/Seminar/Workshop Organized**

- 1) Organizing Secretary, Second International Conference on Research Trends in Computer Technologies (ICRTCT-2014), Dr. N.G.P. Arts and Science College, Coimbatore, 30 &31-Jan-14.
- 2) Organizing Secretary, First International Conference on Research Trends in Computer Technologies (ICRTCT- 2013, Dr. N.G.P. Arts and Science College, Coimbatore, 30 &31-Jan-13.