


Name:	Dr T. NAGAMALAR			
Designation:	Professor			
Qualification:	M.E, Ph. D			
Dissertation title	<i>Dynamic Mobile Sink based QoS and Energy Efficient Routing Protocol for Homogeneous Wireless Sensor Networks</i>			
Experience : (as on January 2025)	Industrial Experience		Teaching Experience	
	Nil		26 Years	
Number of workshop / FDP/STTP attended:	Number of Workshops		Number of FDPs	
	14		2	
Publications	Conference		Journal	
	National	International	National	International
		1		4
Book Chapter				
Patents				
Funded Projects (Ongoing)				
Professional Body Membership	IEEE MISTE			

Workshops/Seminars attended:

- 1** Attended a National Level Workshop cum Championship on “IoT using Raspberry Pi” from 31st March 2017 to 1st April 2017 organized by Revert Technology Pvt. Ltd., Cognizance, IIT Roorkee held at Zonal Center, B S Abdur Rahman Crescent University, Chennai
- 2** Attended a workshop on “Analytics, IoT & Web of Things – A 360 View” during 6th and 7th of October 2015 conducted by Department of Computer Science and Engineering, B. S Abdur Rahman University, Chennai
- 3** Participated in 2 days “IEEE Smart Tech Workshop 2015” held on September 25th to 26th @ Hotel Lalit Ashok, Bangalore
- 4** Attended a one day Collaborative Workshop on “Excellence in Academic Performance and Leadership Skills” on 6th July 2012 organized by the Department of Computer Science and Engineering and Department of Electronics and Instrumentation, B. S Abdur Rahman University
- 5** Participated in the National Level Workshop on “Recent and Future Trends in Wireless Sensor Networks” from 19.12.2011 to 21.12.2011 organized by the Department of Computer Science and Engineering, Faculty of Engineering and Technology, SRM University
- 6** Attended the state level workshop on “Next Generation Wireless Networks” at Sri Sairam Engineering College on 10th and 11th of March 2011
- 7** Participated in the two days workshop on “Wireless Sensors Networks & its Applications” organized by the Department of Electronics and Communication Engineering, B. S Abdur Rahman University on 4th and 5th of August 2010
- 8** Participated in a workshop “Ethical Hacking and Information Security” conducted by BITS, Pilani in association with Innobuzz Knowledge Solutions on 23rd and 24th of March 2010 at B. S Abdur Rahman University
- 9** Attended the One Day Technical Seminar on “Virtualization Technologies” held on 8th January 2010 organized by the Department of Computer Science and Engineering, B. S Abdur Rahman University
- 10** Attended the International Workshop on “Content Based Image Retrieval and Fusion (CBIRF) during 7th and 9th of August 2009 at M.I.T, Anna University, Chennai 600 044
- 11** Attended the four day workshop on “IBM Rational Software” organized by the Department of Computer Science and Engineering held during 13th and 16th of July 2009 at B. S Abdur Rahman University

- 12 Participated in a “Mission 10X” workshop conducted at B. S. Abdur Rahman Crescent Engineering College at Chennai from 18th to 22nd August 2008 organized by Wipro Technologies
- 13 Attended the two day national workshop on “Research Trends in Wired and Wireless Networks” organized by the Department of Computer Science and Engineering, B.S.A Crescent Engineering College, Vandalur, Chennai from 6th to 7th July 2007
- 14 Attended a one day workshop on “Research Methodology for Engineering Teachers” on 3rd September 2005

FDP/STTP Attended

- 1 Attended a AICTE sponsored Staff Development programme on “Mobile Networks” at Sri Sairam Engineering College from 19th to 30th January 2009
- 2 Attended a Faculty Development Programme on “Graphics and Multimedia” at Sri Sairam Engineering College, Chennai from 11th to 23rd June 2007

Conference Attended

- 1 Participated in the three day IEEE International Conference, Industrial Instrumentation and Control (ICIC), at College of Engineering, Pune from 28th to 30th May 2015.
- 2 Attended the “InCyCon’15” conference on 7th and 8th of August 2015 at B. S Abdur Rahman University, an initiative by NCDRC
- 3 Participated in the International Conference on Software Engineering and Mobile Application Modelling and Development (ICESEMA 2012) held on 19th -21st December 2012 at B.S Abdur Rahman University
- 4 Participated in the Pre Conference tutorial on 2nd February 2005 at B S A Crescent Engineering College, Chennai
- 5 Participated in the National Conference on “Mobile Computing” from 3rd to 4th February 2005 at B S A Crescent Engineering College, Chennai

PAPER PUBLISHED IN NATIONAL / INTERNATIONAL CONFERENCES

- 1 **Nagamalar, T** & Rangasamy, TR 2015, ‘Energy efficient cluster based approach for data collection in wireless sensor networks with multiple mobile sink’ in IEEE International Conference, Industrial Instrumentation and Control (ICIC), (28-30) May 2015, at College of Engineering, Pune.

PAPER PUBLISHED IN NATIONAL / INTERNATIONAL JOURNAL

- 1 Nagamalar, T & Rangasamy, TR** April 2016, ‘Mathematical Model based Energy Efficient Routing with Prediction of Mobile Sink in WSN’, AENSI : Advances in Natural and Applied Sciences, vol.10, issue 4, pp.405-415.
- 2 Firdoz Ali C S & Nagamalar , T** April 2016, ‘Energy Aware Mobile Sink Based RPL Routing Protocol for Wireless Sensor Networks’, IJLTEMAS : International Journal of Latest Technology in Engineering, Management & Applied Science, vol.5, issue 4, pp. 74 – 78.
- 3 Nagamalar, T & Rangasamy, TR** 2015, ‘Combined Cluster based Tree Routing for Energy Efficient Data Collection in Wireless Sensor Networks with Mobile Sink’, IJAER : International Journal of Applied Engineering Research, vol. 10, issue 24, pp.44545-44553.
- 4 Nagamalar, T & Rangasamy, TR** 2012, ‘Sleeping Cluster based Energy Efficient MAC Layer Routing protocol for Wireless Sensor Networks’, JCS: Journal of Computer Science, vol.8, issue 8, pp.1294-1303.

INVITED TALKS

1. Delivered a lecture on “Innovations in Conduct of Lab sessions in Programming Languages”, in the one day workshop on the “Effective Conduct Practical Sessions: Focus on Computer Science Subjects” held on 12th July 2011 at B.S Abdur Rahman University.
2. Delivered Lectures in Anna University Sponsored Faculty Development Program on Operating Systems and Computer Architecture at B. S. Abdur Rahman Crescent Engineering College.

AWARDS

1. Rewarded for Laudable service rendered for more than 15 years in B S Abdur Rahman University.
2. Received an appreciation award for producing excellent academic results in Computer Networks in 2007.
3. Received an appreciation award for producing excellent academic results in Compiler Design subject, 2008.

OTHERS

- 1** Academic Council Member from 2015 – 2017.
- 2** One of the resource person in a workshop titled, “Effective Conduct of Practical Sessions: Focus on Computer Science Subjects”
- 3** Advisor for students in P.G. Level during the period from 2006-2008 and 2012 - 2014.
- 4** Faculty advisor for a group of 20 students in P.G and U.G level.
- 5** Officiated as In-charge of Micro Processor Lab and Digital Lab in CSE department and procured around 100 Nos. of Microprocessor trainer kits, Interface cards, IC’s for Digital Lab.
- 6** Time-Table Coordinator of Department of CSE for Five continuous years (2001 – 2005).
- 7** Instrumental in the curriculum development and revamp of curriculum of department of CSE.
- 8** Member in Technical Seminar on “Virtualization Technologies”, 2010.
- 9** Class Committee Chair person for U.G & P.G classes.
- 10** ISO - Internal auditor (Inter and Intra department)
- 11** Infosys Campus Connect Program Coordinator
- 12** Member of Project Committee for UG and PG Projects.
- 13** Department Exam Cell Coordinator.
- 14** Member of Board of Examiners in various Universities such as
 - Madras University till 2011.
 - Government College of Technology, Coimbatore
 - Karunya University, Coimbatore
 - Sathyabama University
 - Sri Chandrashekara Saraswathi Viswa Mahavidyalaya, Kanchipuram
 - Bharath University
 - Hindustan University