

<b>Name:</b>	<b>Dr T. NAGAMALAR</b>			
				
<b>Designation:</b>	Professor			
<b>Qualification:</b>	M.E, Ph. D			
<b>Dissertation title</b>	<i>Dynamic Mobile Sink based QoS and Energy Efficient Routing Protocol for Homogeneous Wireless Sensor Networks</i>			
<b>Experience : (as on January 2025)</b>	<b>Industrial Experience</b>		<b>Teaching Experience</b>	
	Nil		28 Years	
<b>Number of workshop / FDP/STTP attended:</b>	<b>Number of Workshops</b>		<b>Number of FDPs</b>	
	14		8	
<b>Publications</b>	<b>Conference</b>		<b>Journal</b>	
	<b>National</b>	<b>International</b>	<b>National</b>	<b>International</b>
		1		4
<b>Book Chapter</b>				
<b>Patents</b>				
<b>Funded Projects (Ongoing)</b>				
<b>Professional Body Membership</b>	IEEE MISTE			

### **Workshops/Seminars attended:**

- 1 Attended a National Level Workshop cum Championship on “IoT using Raspberry Pi” from 31<sup>st</sup> March 2017 to 1<sup>st</sup> 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 6<sup>th</sup> and 7<sup>th</sup> 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 25<sup>th</sup> to 26<sup>th</sup> @ Hotel Lalit Ashok, Bangalore
- 4 Attended a one day Collaborative Workshop on “Excellence in Academic Performance and Leadership Skills” on 6<sup>th</sup> 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 Work shop 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 10<sup>th</sup> and 11<sup>th</sup> 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 4<sup>th</sup> and 5<sup>th</sup> of August 2010
- 8 Participated in a workshop “Ethical Hacking and Information Security” conducted by BITS, Pilani in association with Innobuzz Knowledge Solutions on 23<sup>rd</sup> and 24<sup>th</sup> of March 2010 at B. S Abdur Rahman University
- 9 Attended the One Day Technical Seminar on “Virtualization Technologies” held on 8<sup>th</sup> 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 7<sup>th</sup> and 9<sup>th</sup> 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 13<sup>th</sup> and 16<sup>th</sup> 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 18<sup>th</sup> to 22<sup>nd</sup> 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 6<sup>th</sup> to 7<sup>th</sup> July 2007
- 14 Attended a one day workshop on “Research Methodology for Engineering Teachers” on 3<sup>rd</sup> September 2005

### **FDP/STTP Attended**

- 1 Participated in the Professional Development Programme (FDP) organized by NITTTR, Chennai on “**Augmented and Virtual Reality in Education Innovative Approaches to Immersive Learning**” during the period 01.12.2025 to 05.12.2025
- 2 Attended 6 Days Faculty Development Program On “**Offensive Security**” From 30/06/2025 To 05/07/2025 Conducted by Training Division of CYBERHEALS, at Sri Sairam Engineering College, Chennai.
- 3 Completed the course **Introduction to Internet of Things** organized by NPTEL – AICTE during the period July 2025 to October 2025.
- 4 Completed the Certificate Course on **Panchayat Administration and Rural Development Schemes** conducted by SIRD, Maraimalai Nagar, Chennai in September 2025
- 5 Attended a Faculty Development Program on “**AI Tools**” organized by Sri Sairam Engineering College, Chennai in association with Braino Vision Solutions India Pvt., Ltd., in collaboration with AICTE during the period 17<sup>th</sup> to 21<sup>st</sup> of February 2025.
- 6 Attended a Short Term Training Program-2K24 on “**JAVA Full Stack with React JS & AI**”, organized by Sri Sairam Engineering College, Chennai in association with Braino Vision Solutions India Pvt., Ltd., in collaboration with AICTE during the period from 2<sup>nd</sup> to 22<sup>nd</sup> December 2024.
- 7 Attended a AICTE sponsored Staff Development programme on “**Mobile Networks**” at Sri Sairam Engineering College from 19<sup>th</sup> to 30<sup>th</sup> January 2009
- 8 Attended a Faculty Development Programme on “**Graphics and Multimedia**” at Sri Sairam Engineering College, Chennai from 11<sup>th</sup> to 23<sup>rd</sup> June 2007

## Conference Attended

- 1 Participated in the three day IEEE International Conference, Industrial Instrumentation and Control (ICIC), at College of Engineering, Pune from 28<sup>th</sup> to 30<sup>th</sup> May 2015.
- 2 Attended the “InCyCon’15” conference on 7<sup>th</sup> and 8<sup>th</sup> 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 19<sup>th</sup> -21<sup>st</sup> December 2012 at B.S Abdur Rahman University
- 4 Participated in the Pre Conference tutorial on 2<sup>nd</sup> February 2005 at B S A Crescent Engineering College, Chennai
- 5 Participated in the National Conference on “Mobile Computing” from 3<sup>rd</sup> to 4<sup>th</sup> 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 12<sup>th</sup> 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. Awarded for Successfully Completing the Course On Social Emotional Education : Knowledge to Practice (SEEK) conducted by UNESCO MGIEP Mahatma Gandhi Institute Of Education For Peace And Sustainable Development
2. Awarded on 21<sup>st</sup> November 2025, Apple Teacher (Certificate of recognition)
3. Rewarded for Laudable service rendered for more than 15 years in B S Abdur Rahman University.
4. Received an appreciation award for producing excellent academic results in Computer Networks in 2007.
5. 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