

## Dr. B. Shanthini, M.E., Ph.D.



### Personal Profile

<b>Date of Birth</b>	04.06.1970
<b>Sex</b>	Female
<b>State of Origin</b>	Tamilnadu
<b>Nationality</b>	Indian
<b>Marital Status</b>	Married
<b>Languages Known</b>	Tamil, English, Malayalam
<b>Permanent Address</b>	F4, Ganesh Complex, 57 <sup>th</sup> Street, Korattur, Chennai – 600 080
<b>Phone Number</b>	91 – 9345111200
<b>E-mail Id</b>	<a href="mailto:bshanthini@gmail.com">bshanthini@gmail.com</a> , <a href="mailto:shanthinisaba@yahoo.co.in">shanthinisaba@yahoo.co.in</a>
<b>PAN Number</b>	BGUPS0537B
<b>Aadhar Number</b>	4941 9724 5274

### Academic Profile

Course Name	Name of the University	Year of Passing	% of Marks & Class
<b>Ph.D.(C.S.E.)</b>	Anna University-Chennai, Tamilnadu, India	2013	-
<b>M. E. (C.S.E.)</b>	Manonmaniam Sundaranar Univ., Tamilnadu, India.	2004	<b>80.59</b> I Class with Distinction Univ. 3 <sup>rd</sup> Rank Holder
<b>B. E. (C.S.E.)</b>	Madurai Kamaraj Univ., Tamilnadu, India.	1991	<b>71.22</b> I Class

### Research Profile

<b>Title</b>	An Enhanced Security System using Multimodal Biometrics for Hierarchical Mobile Ad hoc Networks
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## Technical Profile

<b>Operating Systems</b>	Windows (95, 98, NT, 2000, XP, 2007), Unix, Linux, DOS
<b>Languages</b>	Python, Pearl, Java, C++, C, VB, Pascal, COBOL, FORTRAN, QBASIC
<b>Internet Languages</b>	Java (Swing, Servlet, RMI, Socket Programming), HTML, DHTML, XML, ASP, JSP, PHP
<b>RDBMS</b>	MS-SQL Server, Oracle 8i, MS-Access
<b>Other Familiar Packages</b>	MS-Office, Foxpro, MS-Frontpage, Adobe Photoshop, Flash, Rational Suite, NS-2, MAT Lab

## Professional Profile

**Total Experience : 27.6 Years**

<b>St. Peter's Institute of Higher Education and Research,</b> Avadi, Chennai, Tamilnadu, India		<b>Sept 2017 – Till Date</b> <b>2 Years 3 Months</b>
Position	<b>Professor and Head of the Department / IT</b>	
<b>St. Peter's College of Engineering and Technology,</b> Avadi, Chennai, Tamilnadu, India		<b>July 2009 – August 2017</b> <b>8 Years 2 Months</b>
Position	<b>Professor and Head of the Department / IT</b>	
<b>Jaya Engineering College,</b> Thiruninravur, Chennai, Tamilnadu, India		<b>June 2007 – April 2009</b> <b>2 Years</b>
Position	<b>Assistant Professor</b>	
<b>Sun College of Engineering and Technology,</b> Erachakulam, Kanyakumari District, Tamilnadu, India		<b>July 2002 – May 2007</b> <b>5 Years</b>
Position	<b>Assistant Professor and Head of the Department / IT</b>	
<b>MAM College of Engineering,</b> Siruganoor, Trichirappalli District, Tamilnadu, India		<b>June 2001 – May 2002</b> <b>1 Year</b>
Position	<b>Lecturer</b>	
<b>Dr. Navalar Nedunchezhiyan College of Engineering,</b> Tholudur, Pudhukottai District, Tamilnadu, India		<b>Sept. 1996 – May 2001</b> <b>4 Years 6 Months</b>
Position	<b>Lecturer</b>	
<b>The Indian Engineering College,</b> Vadakkankulam, Tirunelveli District, Tamilnadu, India		<b>June 1991 – May 1996</b> <b>5 Years</b>
Position	<b>Lecturer</b>	

## Funded Projects, Funds Received, Patents, Awards, Memberships

<b>Funded Projects</b>	
<b>Title of the Project : DESIGN, DEVELOPMENT AND EVALUATION OF INDIGENOUS SENSORS BASED AIR QUALITY MONITORING SYSTEM AND DATA ANALYSIS USING DEEP LEARNING</b>	
<b>Funding Agency</b>	<b>: Ministry of Environment, Forest and Climate Change</b>
<b>Amount Sanctioned</b>	<b>: Rs. 48,53,240/-</b>
<b>Project Period</b>	<b>: 2020-2023</b>

<b>Funds Received</b>	
1.	Received Rs. 25,000/- from CSIR for conducting <b>National Seminar on Wireless Sensor Networks for Healthcare Systems</b> in September 2012.
2.	Received Rs. 1,50,000/- from AICTE for conducting <b>International Conference on Sensing, Signal Processing and Security</b> in April 2013.
3.	Received Rs. 60,000/- from Anna University for conducting <b>Faculty Development and Training Programme on 'IT2301-Java Programming'</b> in June 2014.
4.	Sanctioned Rs. 1,00,000/- from CSIR for conducting <b>IEEE 3<sup>rd</sup> International Conference on Sensing, Signal Processing and Security</b> held in May 2017.
5.	Received Rs. 50,000/- from ICMR for conducting <b>IEEE 3<sup>rd</sup> International Conference on Sensing, Signal Processing and Security</b> held in May 2017.

<b>Patents</b>	
<b>Title of the Invention: AN AIR QUALITY MOBILE MONITORING DEVICE</b>	
<b>Application No.</b>	<b>: 201741025977 A</b>
<b>Date of Filing of Application</b>	<b>: 21.07.2017</b>
<b>Publication Date</b>	<b>: 04.08.2017</b>
<b>Title of the Invention: MOBILE APPLICATION TO EFFECTIVELY MONITOR SEWAGE SYSTEM IN REAL TIME</b>	
<b>Application No.</b>	<b>: 201941035712 A</b>
<b>Date of Filing of Application</b>	<b>: 05.09.2019</b>
<b>Publication Date</b>	<b>: 18.10.2019</b>
<b>Title of the Invention: SMART HELMET SYSTEM FOR DETECTING ALCOHOLIC PERSON AND HALTING THE VEHICLE</b>	
<b>Application No.</b>	<b>: 201741025977 A</b>
<b>Date of Filing of Application</b>	<b>: 01.11.2019</b>
<b>Publication Date</b>	<b>: 29.11.2019</b>

<b>Award</b>	
<b>Women Educationist Excellence award from Global Multidisciplinary Research and Academic Foundation (GMRAF) on 29<sup>th</sup> Dec 2019.</b>	

<b>International Memberships</b>
IEEE – Institute of Electrical and Electronic Engineers <b>Membership No.: 95098640</b>
IEICE - The Institute of Electronics, Information and Communication Engineers <b>Membership No.: 1280465</b>

<b>National Memberships</b>
CSI - Computer Society of India <b>Membership No.: N1227554</b>
ISTE - Indian Society for Technical Education <b>Membership No. LM104455</b>

### Publications (Journals / Conferences)

<b>International Journals</b>	
1.	<b>B. Shanthini</b> and S. Swamynathan, “ <b>Data Security In Mobile Ad Hoc Networks Using Cancelable Biometrics</b> ”, International Journal of Information Sciences and Computer Engineering, ISSN: 1836-7305, Accepted in January 2010.
2.	<b>B. Shanthini</b> and S. Swamynathan, “ <b>Data Security in Mobile Ad Hoc Networks using Genetic-Based Biometrics</b> ”, International Journal of Computer Science and Information Security, ISSN 1947-5500, Vol.8, No.6, pp.149-153, September 2010.
3.	Elluswamy UvaShakthi and <b>B. Shanthini</b> , “ <b>Network Traffic Analysis and Intrusion Detection using Packet Sniffer</b> ”, International Journal of Computer Science and Intelligent Computing, ISSN : 0976 – 9250, Vol. 4, No. 1, pp.5-11, March 2011.
4.	<b>B. Shanthini</b> and S. Swamynathan, “ <b>A Secured Authentication System for MANETs using Voice and Fingerprint Biometrics</b> ”, European Journal of Scientific Research, ISSN 1450-216X, Vol.59, No.4, pp.533-546, September 2011.
5.	<b>B. Shanthini</b> and S. Swamynathan, “ <b>A Secured Authentication System using Multimodal Biometrics for High Security MANETs</b> ”, Advances in Computing and Information Technology, ISBN 978-3-642-22555-0, pp.290-307, 2011.
6.	<b>B. Shanthini</b> and S. Swamynathan, “ <b>Multimodal Biometric-based Secured Authentication System using Steganography</b> ”, Journal of Computer Science, ISSN 1549-3636, 8 (7): 1012-1021, May, 2012.
7.	<b>B. Shanthini</b> and S. Swamynathan, “ <b>Privacy-Protected Multimodal Biometric-based Group Authentication for ATM</b> ”, Information Technology Journal, ISSN 1812-5638, pp. 1-9, 2013.
8.	P. Uma eswari and <b>B. Shanthini</b> , “ <b>Security and Privacy Issues in Cloud Computing</b> ”, International Journal of Applied Engineering Research, ISSN 0973-4562, Volume 9, Number 24, pp. 27879-27893, 2014.
9.	P. Rajeshwari, <b>B. Shanthini</b> and Mini Prince, “ <b>Hierarchical Energy Efficient Clustering Algorithm for Wireless Sensor Networks</b> ”, Middle-East Journal of Scientific Research ISSN 1990-9233, pp. 108-117, 2015.
10.	G. Sulthana Begam, <b>B. Shanthini</b> and S. Rajeswari, “ <b>Securing Data in Multi Cloud Using Data Access Control</b> ”, Middle-East Journal of Scientific Research, ISSN 1990-9233, pp. 406-408, 2015.

11.	P. Umaeswari and <b>B. Shanthini</b> , “ <b>Achieving Secure Data Access in Cloud Computing</b> ”, Middle-East J. of Scientific Res., ISSN 1990-9233, pp.363-369, 2015.
12.	S. Priya, B. Prabhavathi, P. Shanmuga Priya and <b>B. Shanthini</b> , “ <b>An Android Application for Tracking College Bus Using Google Map</b> ”, International Journal of Computer Science Engineering and Communication, ISSN: 2010-3743, Vol. 3, Issue. 3, pp. 1057-1061, 2015.
13.	P. Umaeswari and <b>B. Shanthini</b> , “ <b>Effective Authentication Using OTP (One Time Password) and SHA (Secure Hash Algorithm) in Big-Data and Clouds</b> ”, Int. Journal of Printing, Packaging & Allied Sciences, Vol. 4, No. 1, pp. 547-559, 2016.
14.	P. Umaeswari and <b>B. Shanthini</b> , “ <b>Three Level Security System for Multiple Users in Cloud Computing</b> ”, International Journal of Control Theory and Applications ISSN: 0974-5572, Vol. 10, No. 12, pp. 183-193, 2017.
15.	P. Umaeswari and <b>B. Shanthini</b> , “ <b>Cryptographic Security System for Institutional Data Cloud</b> ”, International Journal of Control Theory and Applications, ISSN: 0974-5572, Vol. 10, No. 16, pp. 407-415, 2017.
16.	V. Sulochana and <b>B. Shanthini</b> , “ <b>A Survey on Adaptive Video Streaming Techniques with Cloud</b> ”, International Journal of Pure & Applied Mathematics, ISSN 1311-8080, Volume: 118 No:17, pp-167- 188, January 2018.
17.	V. Sulochana and <b>B. Shanthini</b> , “ <b>Analysis and Measurement of the HEVC Encoder Complexity for Performance Optimization</b> ”, International Journal of Pure and Applied Mathematics, ISSN 1311-8080, Vol: 120, No:6, pp-1037- 1053, June, 2018.
18.	P. Partheeban, H. Prasad Raju, R. Rani Hemamalini and <b>B. Shanthini</b> , “ <b>Design and Implementation of Equipment for Air Quality Information Management System</b> ”, Journal of Advances in Information Technology, ISSN: 1798-2340, Volume: 9, No. 4, pp. 117-122, November 2018.
19.	V.Sulochana and <b>B. Shanthini</b> , “ <b>HEVC Intra Prediction Analysis for Optimization</b> ”, International Journal of Engineering and Technology, ISSN: 2227-524X, Vol: 120, No:6, pp-1037- 1053, December, 2018.
20.	Partheeban P., Prasad Raju H., Rani Hemamalini R., <b>Shanthini B.</b> , “ <b>Real-Time Vehicular Air Quality Monitoring using Sensing Technology for Chennai</b> ”, Transportation Research, Lecture Notes in Civil Engineering, Springer, ISSN 978-981-32-9041-9, Vol. 45, pp 19-28, October, 2019.
21.	Partheeban P., Rani Hemamalini R., <b>Shanthini B.</b> , “ <b>Indoor Air Quality Monitoring in Urban Areas using Smart Sensing Technology</b> ”, International Journal of Human Capital in Urban Management, Vol. 4(4), pp.1-10, November 2019.
22.	Karthik J and <b>Shanthini B.</b> , “ <b>Reliable and Energy Efficient WBAN Through On-Demand Handover Protocol</b> ”, International Journal of Advanced Science and Technology, Vol. 28, No. 15, pp. 659-666, December 2019.

<b>International Conferences</b>	
1.	<b>B. Shanthini</b> and Alotious “ <b>Synergistic Encryption System for Virtual Private Networks</b> ”, International Conference on Human Machines Interface (ICHMI), December. 2004.
2.	S. Deepa and <b>B. Shanthini</b> , “ <b>A Study of Cancelable Biometrics on Finger Prints</b> ”, International Conference on Computational Systems and Communication Technology, February, 2009.

3.	<b>B.Shanthini</b> and S. Swamynathan, “ <b>Cancelable Biometric-Based Security System for MANET</b> ”,International Conference on Computer Technology, December, 2009.
4.	<b>B.Shanthini</b> and S. Swamynathan, “ <b>A Genetic-Based Biometric Security System for MANET</b> ”,International Conference on ControlCommunication and Computing (ICCC2010), February, 2010.
5.	<b>B.Shanthini</b> and S. Swamynathan, “ <b>A Security System using Genetic Based Face Biometrics for MANETs</b> ”,International Conference on Intelligent Science and Technology (IIST 2011), CSE 124, March, 2011.
6.	<b>V. Dhanalakshmi</b> and <b>B. Shanthini</b> , “ <b>Ubiquitous Life Care System using Secured Wireless Sensor Network-integrated Cloud Computing</b> ”, International Conference on Intelligent Science and Technology (IIST 2011), March, 2011.
7.	T. C. Jermin Jersha and <b>B. Shanthini</b> , “ <b>Dynamic En-route Quarantine Scheme for Filtering False Data in Wireless Sensor Networks</b> ”, International Conference on Intelligent Science and Technology (IIST 2011), March, 2011.
8.	Elluswamy Uva Shakthi and <b>B. Shanthini</b> , “ <b>Multi Platform Packet Sniffer Tool for Network Traffic Analysis and Intrusion Detection</b> ”, International Conference on Intelligent Science and Technology (IIST 2011), March, 2011.
9.	<b>B. Shanthini</b> and S. Swamynathan, “ <b>A Secure Authentication System using Multimodal Biometrics for High Security MANETs</b> ”, The First International Conference on Advances in Computing and Information Technology (ACITY 2011), CCIS 198, pp. 290-307, Springer-Verlag, July 2011.
10.	<b>B. Shanthini</b> and S. Swamynathan, “ <b>Genetic-based Biometric Security System for Wireless Sensor-based Healthcare Systems</b> ”, IEEE Int. Conference on Recent Advances in Computing and Software Systems (RACSS '12), pp. 180-184, April 2012.
11.	<b>B. Shanthini</b> and S. Swamynathan, “ <b>A Novel Multimodal Biometric Fusion Technique for Security</b> ”, International Conference on Information and Knowledge Management,IPCSIT, Vol. 45, pp. 143-148, IACSIT Press, Singapore, 2012.
12.	M. Alice, C. Chandni, M. Vinutha and <b>Dr. B. Shanthini</b> , “ <b>Mobile Application for Medicinal Services</b> ”, Int. Conference on Big Data and Cloud Computing, March 2015.
13.	P. Shanmuga Priya, S. Priya, B. Prabhavathi, <b>Dr. B. Shanthini</b> , “ <b>An Andorid Application for Tracking College Bus Using Google Map</b> ”, International Conference on Big Data and Cloud Computing, March 2015.
14.	P.Rajeshwari, <b>Dr.B. Shanthini</b> , Mini Prince “ <b>Hierarchical, Energy Efficient Clustering Algorithm for Wireless Sensor Network</b> ” International Conference on Sensing, Signal Processing and Security, ISBN No.978-93-815836-4-7, May-2015
15.	Mrs. Sulthana Begam, <b>Dr. B. Shanthini</b> and Mrs. S. Rajeshwari,, “ <b>Securing Data in Multi Cloud using Data Access Control</b> ”, Second Int. Conference on Sensing, Signal Processing and Security, 6 <sup>th</sup> to 8 <sup>th</sup> May, 2015.
16.	P. Umaeaswari and <b>Dr. B. Shanthini</b> , “ <b>Secure Data Access in Cloud Computing</b> ”, Second Int. Conf. on Sensing, Signal Processing and Security, 6 <sup>th</sup> to 8 <sup>th</sup> May, 2015.
17.	Mrs. V. Sulochana and <b>Dr. B. Shanthini</b> , “ <b>Analysis of Emerging Video Coding Techniques for Enhanced Streaming</b> ”, IEEE 3 <sup>rd</sup> International Conference on Sensing, Signal Processing & Security, IEEE Access, DOI: 8071555, May 2017.
18.	Giridhara Gopalan, Sri Hari, Prasanna and <b>Dr. B. Shanthini</b> , “ <b>MySQL to Cassandra Conversion Engine</b> ”, IEEE 3 <sup>rd</sup> International Conference on Sensing, Signal Processing & Security May 2017, <b>Sponsored By CSIR &amp; ICMR.</b>

19.	Dr. P. Partheeban, Dr. H. Prasad Raju, Dr. Rani Hemamalini and <b>Dr. B. Shanthini</b> , “ <b>Realtime Vehicular Air Quality Monitoring using Sensing Technology for Chennai</b> ”, 4 <sup>th</sup> Conference of Transportation Research Group of India, IIT-Bombay and Sardar Vallabhbhai National Institute of Technology-Surat, 17 <sup>th</sup> to 20 <sup>th</sup> Dec 2017.
20.	V. Sulochana, <b>Dr. B. Shanthini</b> ,” <b>Analysis and Measurement of the HEVC Encoder Complexity for Performance Optimization</b> ”, Int. Conference on Innovations and Discoveries in Science, Engineering and Technology, 17 <sup>th</sup> & 18 <sup>th</sup> April, 2018.
21.	Dr. P. Partheeban, Dr. H. Prasad Raju, Dr. Rani Hemamalini and <b>Dr. B. Shanthini</b> , “ <b>Design and Implementation of equipment for Air Quality Information Management System</b> ”, 4th International Conference on Information Management, Oxford University, Oxford, UK, from 25th to 27th of May, 2018.
22.	V.Sulochana and <b>Dr. B. Shanthini</b> , “Enhanced Sample Adaptive Offset Type Refinement in HEVC”, International Conference of Cognitive Computing and Big Data Analytics, SPIHER, 27 <sup>th</sup> to 28 <sup>th</sup> Feb 2019.
23.	K. Cornelius and <b>Dr. B. Shanthini</b> , “Biometric Security System: Challenges and Countermeasures”, International Conference of Cognitive Computing and Big Data Analytics, SPIHER, 27 <sup>th</sup> to 28 <sup>th</sup> Feb 2019.

<b>National Conferences</b>	
1.	Kurinjini and <b>B. Shanthini</b> , “ <b>Power Efficient and Delay Aware Multi Channel MAC Protocol for Sensor Networks</b> ”, National Conference on Intelligent Computing and Automation, March 2008.
2.	Kurinjini and <b>B. Shanthini</b> , “ <b>Delay Guaranteed and Energy Efficient Medium Access Protocol for Sensor Networks</b> ”, National Conference on Web Technology and Open Source, April 2008.
3.	S. Deepa and <b>B. Shanthini</b> , “ <b>Enhancing Security using Two Factor Cancelable Fingerprint Authentication System</b> ”, National Conference on Emerging Trends in Engg.& Technology, April 2009.
4.	A. Subbaiya and <b>B. Shanthini</b> , “ <b>Fuzzy Vault Based Fingerprint Authentication System</b> ”, National Conf. on Web Technology and Open Source, pp 45-49, April 2009.
5.	G. Sethuramalingam and <b>B. Shanthini</b> , “ <b>Efficient Routing of Packet for Search Applications in Mobile Ad Hoc Networks</b> ”, National Conference on Advanced Networking Technologies, pp 44-49, March 2010.
6.	<b>B. Shanthini</b> and T. Muralidharan, “ <b>Analysis on Factoring Methods and Attacks on RSA</b> ”, National Conf. on Information and Communication Technologies, March 2010.
7.	T. C. Jermin Jersha and <b>B. Shanthini</b> , “ <b>Security in Wireless Sensor Networks – A Survey on Attacks and Countermeasures</b> ”, National Conference on Information Processing, Security and Communication (NCIPSC '11), March, 2011.
8.	N. Belina and <b>B. Shanthini</b> “ <b>Pyro Sensor for Surveillance</b> “, National Conference on Information Processing, Security And Communication. (NCIPSC '11), March 2011.
9.	R. Devikala, Kavitha Udayakumar, K. Malathi and <b>B. Shanthini</b> , “ <b>Secured and Implicit Password Authentication System (SIPAS) for Shoulder Surfing Attack</b> ”, National Conference on Transpiring Trends in IT, March 2012.

10.	P. Rajeshwari and <b>B. Shanthini</b> , “ <b>A Cluster-based Energy Aware Routing Protocol for WSN</b> ”, National Conference on Recent Advancements in Signal Processing and Communication, March 2015.
11.	G. N. Deepika, R. Divya, Ms. K. Monisha and <b>B. Shanthini</b> “ <b>LPG Leakage and Load Indication System using Wireless Sensor Networks</b> ”, National Conference on Information and Intelligent Technologies, 2016.
12.	R. Princy Rajam, S. Priya, M. Priyanka, S. Swetha and <b>B. Shanthini</b> , “ <b>Cardiac Analysis using Data Mining Techniques</b> ”, National Conference on Information and Intelligent Technologies, 2016.
13.	<b>B. Shanthini</b> and Uma Easwari, “ <b>An Efficient Security System for Multiple Users in Banking Data Cloud</b> ”, National Conference held at R.M.K College of Engineering and Technology, Feb 2017.
14.	Madhu Shree V, Raveena K K, Suvetha S and <b>Dr. B. Shanthini</b> , “ <b>Intelligent Classroom</b> ”, 2 <sup>nd</sup> Nat. Conf. on Information & Intelligent Technologies”, March 2018.

<b>UG / PG Projects Guided</b>	
2011-2012	<b>Visual Cryptography for Biometric Privacy Using Steganography</b>
	<b>Secured and Implicit Password Authentication System for Shoulder Surfing Attack</b>
	<b>Open Source Based Private Cloud for Academic Institutions</b>
	<b>E-Voting System with Fingerprint Authentication</b>
2012-2013	<b>Secrete Image Transmission using Scan Patterns</b>
	<b>Hierarchical Attribute Based Solution for Secured Access Control in Cloud Computing</b>
	<b>Computerization of Police Department using Biometrics</b>
2013-2014	<b>A Secured Graduate Academic Profile Maintenance And Monitoring System</b>
	<b>An Efficient System for Automating and Monitoring Household Appliances using Internet of Things and Embedded Processing</b>
2014-2015	<b>Mobile Application for Medicinal Services</b>
	<b>An Android Application for Tracking College Buses</b>
2015-2016	<b>College Management for Professional Assessment of Student and Staff</b>
	<b>LPG Load and Leakage Indication System using Wireless Sensor Networks</b>
	<b>FEWS- A Web Analytics Service</b>
	<b>Cardiac Analysis using Data Mining Techniques</b>
2016-2017	<b>Mobile Based Plant Disease Identification System</b>
	<b>Mysql to Cassandra Conversion Engine</b>
2017-2018	<b>Intelligent Class Room</b>
	<b>College Bus Tracking System</b>
2018-2019	<b>In-door Air Quality Monitoring System</b>
	<b>Brain Tumor Segmentation Using Deep Learning</b>
2019-2020	<b>An efficient and privacy-preserving big data deduplication in cloud storage</b>
	<b>Social Network Mental Disorders Detection Via Social Media Mining</b>
	<b>Online Transaction Fraud Detection using Backlogging on E-Commerce</b>
	<b>Finding Nemo</b>
	<b>Ground Level Water Monitoring System</b>



<b>Symposiums / Workshops / Conferences / FDPs Conducted / Attended</b>	
1.	<b>Head</b> of the Technical Committee in the Zonal Level Technical Symposium ' <b>KOUSALA</b> ' conducted in January 2003 and National Level Technical Symposium ' <b>VERVIEALIA</b> ' conducted in September 2004 at SCET, Erachakulam.
2.	<b>Head</b> of National Level Technical Symposium ' <b>INSIGNIA</b> ' conducted in September 2005 and ' <b>REGALIA</b> ' conducted in September 2006 at SCET, Erachakulam.
3.	<b>Member of the organizing committee</b> of National Level Conference ' <b>Webtops 2008</b> ' conducted in April 2008 in World Health Centre, Chepauk, Chennai.
4.	<b>Coordinator</b> of ' <b>Workshop on NS2</b> ' conducted in Feb. 2008 and Feb. 2009 in JEC.
5.	<b>Coordinator</b> of National Level Technical Symposium ' <b>SPUMANTE 09</b> ' conducted in September 2009 in SPEC.
6.	<b>Resource Person</b> in the Faculty Development Programme on ' <b>CS2201-Data Structures</b> ' conducted by JEC in association with AU-Chennai in May 2010.
7.	Inaugurated an association ' <b>ASPIRE</b> ' (Association of St. Peter's Intellectual and Rigorous Engineers) for the Computer Science and Engineering students in September 2010 in SPCET.
8.	Attended a four days Training Programme on <b>IBM-Rational Suite</b> conducted by <b>IBM</b> in SPCET in September 2010.
9.	<b>Member of Advisory Committee</b> of National Conference on Transpiring Trends in Computer Science & Information Technology, Conducted by Sakthi Engg. College in March 2011.
10.	Attended two days workshop on <b>Pervasive IT Solutions for Healthcare</b> conducted by Tifac Core in Velammal Engineering College in April 2011.
11.	Attended one day workshop on ' <b>Research Issues in Wireless Networks</b> ' organized by Sun College of Engineering and Technology in May 2011.
12.	<b>Convener</b> of a three days <b>Faculty Development Programme</b> on ' <b>CS2406-Open Source Lab</b> ' in June 2011 in SPCET.
13.	Attended one day workshop on ' <b>Cloud Computing</b> ' organized by Sakthi Engineering College, Chennai in September 2011.
14.	<b>Resource Person</b> in the workshop on ' <b>Cloud Computing</b> ' conducted by LCR College of Engineering, Thiruvallur in January 2012.
15.	<b>Session Chair</b> in the <b>International Conference on Computers and Communication Engineering</b> organized by Dr. MGR Educational and Research Institute University, Chennai on 13 <sup>th</sup> April 2012.
16.	Attended one day workshop on ' <b>Cyber Crime and Ethical Hacking</b> ' organized by Prathyusha Institute of Technology and Management in May 2012.
17.	<b>Convener</b> of a two days <b>CSIR Sponsored</b> National Seminar on ' <b>Wireless Sensor Networks for Healthcare Systems</b> ' in September 2012 in SPCET.
18.	Attended one day workshop on ' <b>Popularization of Research Methodology and Techniques</b> ' organized by St. Peter's University in October 2012.
19.	<b>Convener</b> of a three days <b>AICTE Sponsored International Conference</b> on ' <b>Sensing, Signal Processing and Security</b> ' in April 2013 in SPCET.
20.	Attended one day workshop on ' <b>Cyber Security &amp; Malware Analysis</b> ' organized by St. Peter's University in September 2013.
21.	<b>Session Chair</b> in the ' <b>National Conference on Transpiring Trends in CS and IT</b> ' conducted by Sakthi Engineering College, Chennai in September 2013.

22.	<b>Resource Person</b> in the Faculty Development Programme on ‘ <b>Unix Internals</b> ’ conducted by Jaya Engg. College in association with AU-Chennai in January 2014.
23.	<b>Keynote Speaker and Session Chair</b> in the ‘ <b>National Conference on Recent Trends in Advanced Computing</b> ’ organized by Sri Venkateswara College of Engineering and Technology, Chithoor, Andra Pradesh in April 2014.
24.	Member of <b>Research Advisory Board</b> of Sri Venkateswara College of Engineering and Technology, Chithoor, Andra Pradesh from May 2014.
25.	<b>Resource Person</b> in the Faculty Development Programme on ‘ <b>CS6301 – Programming and Data Structures II</b> ’ conducted by JEC in association with AU-Chennai in June 2014.
26.	Member of <b>Board of Studies</b> of MCA Department of St. Peter’s University from July 2014 to 2017.
27.	Attended one day Symposium on “ <b>Gender, ICT and Education</b> ” organized by Learning Links, US Consulate General and Intel Education at Hotel My Fortune, Chennai on 28 <sup>th</sup> November 2014.
28.	Attended The International Conference on <b>Intelligent Information Technologies</b> conducted Department of IST, Anna University from 11 <sup>th</sup> Dec to 13 <sup>th</sup> December, 2014.
29.	<b>Resource Person</b> in the Faculty Development Programme on ‘ <b>IT2302 – Cryptography and Network Security</b> ’ conducted by JEC in association with AU-Chennai in December 2014.
30.	<b>Resource Person</b> for one day session on “ <b>FDP on Design and Analysis of Algorithms</b> ” conducted at Velammal Engineering College on 12 <sup>th</sup> December, 2014.
31.	<b>Reviewer</b> for the International conference on <b>Electrical, Electronics, Instrumentation and Computer Communication</b> organized by Karpagam College of Engineering which is held on 12th and 13th of January 2015.
32.	<b>Reviewer</b> for the International conference on <b>Big Data and Cloud Computing</b> organized by St. Peter’s University in March 2015.
33.	<b>Session chair</b> on International conference on <b>Big Data and Cloud Computing</b> at St. Peter’s University on 27 <sup>th</sup> March 2015.
34.	<b>Convener</b> of a three days <b>Second International Conference on ‘Sensing, Signal Processing and Security</b> ’ in May 2015 in SPCET.
35.	Attended two days <b>International Workshop on Network Security and Challenges</b> organized by Dept. of ECE and AU-KBC Research Centre in Association with IEEE-Madras Section at MIT, Anna University, Chennai during 17 <sup>th</sup> and 18 <sup>th</sup> August 2015.
36.	<b>Member of Board of Studies</b> of MCA Department of St. Peter’s University from August 2015.
37.	Attended Workshop on <b>Mathematical Modeling on Wireless Networks</b> conducted by SA Engg College on 28 <sup>th</sup> July, 2016.
38.	<b>Reviewer</b> for the 3 <sup>rd</sup> <b>International Conference on Electrical, Electronics, Instrumentation and Computer Communication (EEICC’16)</b> organized by Karpagam University in December 2016.
39.	Attended National Workshop on <b>Data Science Research</b> conducted by SA Engineering College Sponsored by DST from 20 <sup>th</sup> Dec to 22 <sup>nd</sup> December, 2016.
40.	<b>Reviewer</b> for the <b>2nd IEEE International Conference On Computing And Communications Technologies (ICCCT ’17)</b> organized by Sri Sairam Engineering College in February 2017.

41.	<b>Convener</b> of a two days <b>CSIR &amp; ICMR Sponsored IEEE Third International Conference on ‘Sensing, Signal Processing and Security’</b> in 4 <sup>th</sup> and 5 <sup>th</sup> May 2017 in SPCET.
42.	<b>Resource Person</b> in the Faculty Development Programme on ‘ <b>Adhoc and Sensor Networks</b> ’ conducted by S.A. Engineering College in association with AU-Chennai in 9 <sup>th</sup> June 2017.
43.	Attended <b>Academic Directors Meet 2017</b> conducted by <b>ICTACT</b> and <b>SALESFORCE</b> in Radisson Blu GRT, Chennai in 25 <sup>th</sup> July 2017.
44.	Attended two days <b>National Workshop on Quantum Computation and Cryptography</b> during 23 <sup>rd</sup> and 24 <sup>th</sup> of January 2018 sponsored by <b>SERB-DST</b> in SA Engineering College.
45.	Given a Guest Lecture on ‘ <b>Compiler Design: Code Optimization</b> ’ in Velammal Engineering College on 1 <sup>st</sup> March 2018.
46.	Attended a Training Programme on <b>Outcome Based Education and Accreditation</b> conducted by <b>National Institute of Technical Teachers Training and Research</b> from 2 <sup>nd</sup> to 4 <sup>th</sup> April 2018 in SPIHER Campus.
47.	Attended the <b>National Technology Day</b> Conference on <b>IoT Applications</b> conducted by <b>IEEE-IAS, IEEE-TEMS</b> and <b>L&amp;T</b> Construction Smart World Communication on 11 <sup>th</sup> May 2018.
48.	Attended One day workshop on ‘ <b>Interoperability Challenges in IoT</b> ’ on 1 <sup>st</sup> December 2018 in IEEE Madras Section, Chennai.
49.	Attended Two days FDP on ‘ <b>Big Data Analytics</b> ’ on 14 <sup>th</sup> and 15 <sup>th</sup> December 2018 in SPCET.
50.	Attended One day workshop on ‘ <b>Effective Mentoring in NPTEL Online Courses</b> ’ on 18 <sup>th</sup> January 2019 at IIT, Madras.
51.	Attended Three days Workshop on ‘ <b>Revised NAAC Framework and Outcome Based Education</b> ’ from 8 <sup>th</sup> to 10 <sup>th</sup> February 2019 in SPIHER.
52.	Attended a one day workshop on ‘ <b>Deep Learning</b> ’ on 16 <sup>th</sup> February 2019 in SENSE, VIT, Chennai.
53.	<b>Convener</b> of two days ‘ <b>St. Peter’s Hackathon</b> ’ programme on 13 <sup>th</sup> and 14 <sup>th</sup> March 2019 in SPIHER.
54.	<b>Convener</b> of two days workshop on ‘ <b>Artificial Intelligence, Machine Learning and Deep Learning</b> ’ on 30 <sup>th</sup> March and 1 <sup>st</sup> April 2019 in SPIHER.
55.	Attended a Mini Tutorial on “ <b>Demystifying Internet of Things</b> ” conducted by IEEE and ACM on 20 <sup>th</sup> July 2019.
56.	<b>Convener</b> of 6 days Workshop on ‘ <b>Kaizen Robotics</b> ’ in association with <b>Lema Labs Technology Pvt. Ltd</b> from 17 <sup>th</sup> to 25 <sup>th</sup> July 2019.
57.	Attended a Mini Tutorial on “ <b>Demystifying Graphic Design, Animation &amp; Visual Effects</b> ” conducted by IEEE and ACM on 10 <sup>th</sup> August 2019.
58.	Conducted a Guest Lecture on “ <b>Robotics and its Applications</b> ” on 22 <sup>nd</sup> August 2019.
59.	Conducted a National Seminar on “ <b>Online Safety for Women</b> ” on 28 <sup>th</sup> August 2019.
60.	Attended a 5 days FDP on “ <b>Cybersecurity Infrastructure Configuration</b> ” conducted by ICTACT from 26 <sup>th</sup> to 30 <sup>th</sup> November at VelTech MultiTech Engineering College.
61.	Attended a One day International Seminar on “ <b>Changing Business Models</b> ” organized by Global Multidisciplinary Research and Academic Foundation on 29 <sup>th</sup> Dec 2019.
62.	Given a Guest Lecture on ‘ <b>IoT and Its Applications</b> ’ in Chevaliar Thomas Elizabeth Arts College for Women on 22 <sup>nd</sup> January 2020.

<b>Other Achievements</b>	
1.	<b>University III rank holder</b> in M.E. Computer Science and Engineering Degree examination of Manonmaniam Sundaranar University.
2.	<b>CSI Coordinator</b> in JEC and <b>CSI Student Branch Counselor</b> in SPCET and SPIHER.
3.	Certified <b>Internal Auditor</b> in connection with <b>ISO 9001-2008</b> .
4.	Member of <b>Editorial Board</b> of <b>SPCET and SPIHER Newsletter</b> .
5.	Member of <b>Anti-ragging and Grievance Redressal Cell</b> of SPCET.
6.	Co-ordinator of <b>Women Empowerment Cell</b> for SPCET and Coordinator for <b>empowerment of Women in IT (eWIT)</b> .
7.	Experts Committee Member in preparing manual for the <b>Anna University VII Semester 'CS2406-Open Source Lab'</b> . ( <a href="http://fls.nrcfoss.au-kbc.org.in/">http://fls.nrcfoss.au-kbc.org.in/</a> )
8.	Overall Co-ordinator for <b>Spoken Tutorial</b> for all the departments of SPCET.
9.	Guiding 8 Ph.D. Students and Doctoral Committee Member for 23 scholars in St. Peter's University, Amity University and Saveetha University.
10.	Guided around 32 <b>PG Projects</b> and many <b>UG Projects</b> .

### **Declaration**

I hereby declare that all the details furnished above are true to the best of my knowledge.

**Dr. B. Shanthini**