FACULTY PROFILE

Full Name   :   **Dr. (Mrs.) P. VAISHNAVI**

Designation   :   Asst. Professor, Dept of Computer Applications
                             Anna University, Chennai, BIT Campus, Tiruchirappalli

Date of Birth   :   02.12.1976

Date of joining   :   01.03.2011

Faculty ID   :   TF0168

Nationality   :   Indian

Specialization   :   Reliability and Safety Engineering, Distributed & Cloud Computing,
                             Data Analytics for safety critical systems, Computer Applications
                             In Engineering.

II.   QUALIFICATIONS

Educational Qualifications

Qualifications: **B.Sc (Physics)** Bharathidasan University, Tiruchirappalli (1998)
                      MCA Bharathidasan University, Tiruchirappalli (2001)
                      PhD (Reliability & Safety Engineering), Anna University, Chennai (2013)

III   PROFESSIONAL / RESEARCH EXPERIENCE

Asst. Professor	Dept of Computer Applications, Anna University, BIT Campus, Tiruchirappalli	March 2011 Till Date	Teaching, Research, Academic Administration, Consultancy Projects

IV   HONORS / AWARDS RECEIVED

* **Organizing Secretary,** Conference on Reliability & Safety Engineering Year 2014 - **Sponsored Conference by Board of Research in Nuclear Science (BRNS)** & **Bhabha Atomic Research Centre (BARC), Govt. of India, Mumbai** and **Atomic Energy Regulatory Board (AERB), Govt. of India, Mumbai**

* **Institution Organizer,** Conference on Reliability & Safety Engineering year 2015 jointly Organized by **Anna University, Chennai, Indira Gandhi Centre for Atomic Research (IGCAR) Govt. Of India, Centre for Reliability (CFR), DeiTy, Govt. of India** - Year 2015:

    Sponsored the Conference by,

    o   Centre for Reliability (CFR), Chennai, Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam, Bhabha Atomic Research Centre (BARC), Mumbai, and Anna University, Chennai.

    Atomic Energy Regulatory Board (AERB), Govt. of India ,Mumbai,
     Board of Research in Nuclear Science (BRNS), Govt. of India ,Mumbai
    Department of Electronics and I.T (DeitY), Govt. of India, New Delhi .

* **Doctoral Committee Member** for research scholars in various Universities, Tamil Nadu.
* **LIFE Member**, Society for Reliability Engineering, Quality, and Operations Management, Springer Journal.
* **Guest Editor** for International Journal of Life Cycle Reliability Engineering, Springer Journal
* **Keynote speaker & Chaired the session for** Various National and International Conferences
* **Inspection Committee Member** for various committees for issuing provisional affiliation

V   CONFERENCE/ WORKSHOP ORGANIZED

* Convener of National level Conference on **"Engineering Approach for Sustainable Development"**.
* Workshop on "**Data Mining : Challenges and Issues**"
* University Cultural Committee Member, University Cultural Festival – "**UTSAV'10"**
* Technical session for the symposium **"Techgyan 10**"
* Convener of University Art exhibition "**Art Fest' 12**"

* Organizing Secretary of **SRESA National Conference on Reliability and safety Engineering 2014**

* Co- ordinator of 2nd **SRESA National Conference on Reliability and safety Engineering 2015**

* Co –Chair for the 1st International and 4th National Conference on Reliability and Safety Engineering **INCRS 2018**

VI   Consultancy Projects: -

Thesis Supervisor:

PhD   : Ongoing – 06

MCA   : 25

Publications:

International and National Journals: 08

International and National Conferences: 22

PUBLICATIONS

INTERNATIONAL JOURNAL & CONFERENCES

1. **P.Vaishnavi, Selvamani.K, "**Reliability analysis of critical network infrastructure using service oriented architecture", International Journal of Applied Engineering Research, Vol.9, Number 24(2014) pp.29201-29211.
2. **P.Vaishnavi**, Rajesh Prasanna," Hardware Reliability analysis for Safety critical Network Infrastructure to design and development of web services for CWAN infrastructure", European Journal of Scientific Research, Volume 75, issue 4.
3. **P.Vaishnavi**, Rajesh Prasanna, 'Fault tree analysis for Safety Critical Network Infrastructure', CIIT International Journal of Networking and Communication Engineering,2010
4. **P.Vaishnavi**, P.Seethalakshmi,' Reliability analysis for Safety Critical Network Infrastructure (SCNI) using Failure Mode Effect Analysis', International Journal of Computer Applications in Engineering, Technology, Sciences, 2010.
5. **P.Vaishnavi** ,Ibrahim," A Mobile payment system through Independent M-Signature service ", International Journal of Communication Network and Security, Vol 1, Issue 4, 2012.
6. M.Arun, **P.Vaishnavi** , " Fibonacci Based Chunks Distribution (FBCD) scheme for efficient P2P interactive VOD streaming" Asian Journal of Computer Science and Technology, Vol 2, No.1, June 2013
7. **P.Vaishnavi**, D.Rekha, Improving the performance in MANET by increasing the availability and reducing the delay, International journal of Engineering Research & Technology, Vol 2, Issue 6, 2013.

8. **P. Vaishnavi**, V Deenadayalan, S. Ananthi " Monitoring software to analyze the failure data in Critical Network Infrastructure (CNI)" American-Eurasian Network for Scientific Information (AENSI Publication), 2017 February 11(2): pages 7-13.

CONFERENCES

1. T.Abdul Rahman, P. Vaishnavi,'Loosely Coupled Business Process Management Using SOA', National Conference on Emerging Trends in Engineering, Management, and Computer Applications, April 2011.
2. V.Deenadayalan, P. Vaishnavi,' Design and implementation of Customized Student Portal Using Universal Content Management System', National Conference on Emerging Trends in Engineering, Management, and Computer Applications, April 2011.
3. Hierarchical Replication Techniques to ensure Checkpoint Storage Reliability in Grid Environment', National Conference on Emerging Trends in Engineering, Management, and Computer Applications, April 2011.
4. P.Monica , P.Vaishnavi ,Design and Development of PEEP, National Conference on Emerging Trends in Engineering, Management, and Computer Applications, April 2011.
5. A.Nithya, P. Vaishnavi, ' Development of User Interactive Information System for University', National Conference on Emerging Trends in Engineering, Management, and Computer Applications, April 2011.
6. J.Priya, P. Vaishnavi,'Retail Supply Chain Management System – Agent based', National Conference on Emerging Trends in Engineering, Management, and Computer Applications, April 2011.
7. M.Agalya, R.Bhuvaneswari, P. Vaishnavi,' Secure M-Payment through SMS using Biometrics', National Conference on Engineering Approach for Sustainable development, September 2011.
8. S.Kumaresan, B.Kiruthiga, P. Vaishnavi,' Knowledge Discovery in University Information System Through MASHUPS, National Conference on Engineering Approach for Sustainable development, September 2011.
9. P. Vaishnavi, SRESA National Conference on Reliability and safety Engineering, February 2014.
10. P.Vaishnavi, M.Sivasankar, "Critical Healthcare service for Hiv patients: A big data analytical approach", 2nd SRESA National Conference on Reliability and safety Engineering, Oct 8-10,2015.
11. P Vaishnavi, Krishnaveni, M. Muthubrindha, K. Subha, V.R. Jenusha, "Data Analysis Of Medical Reports In Hospitals Through Digitized Process" 2nd SRESA National Conference on Reliability and safety Engineering, Oct 8-10,2015.
12. P Vaishnavi , Rajeshwari, M. Mahalakshmi, P. Vinciya," Development Of Tsunami Critical Information Service: Data Analytical Approach", 2nd SRESA National Conference on Reliability and safety Engineering, Oct 8-10,2015.
13. S. Ananthi, P Vaishnavi," Enhancing Multifactor User Authentication in Cloud computing to subdue the Security issues", 2nd SRESA National Conference on Reliability and safety Engineering, Oct 8-10,2015.

14. P Vaishnavi, Joseph, M.Muthubrindha, K. Subha," Identifying The Critical Data Sets In Online Shopping Log File Using Data Analytics", 2nd SRESA National Conference on Reliability and safety Engineering, Oct 8-10,2015.

15. S Deenadayalan, P Vaishnavi," Nuclear Power Plant Anomaly To Identify The Critical Component Failure Using Bigdata Analytics", 2nd SRESA National Conference on Reliability and safety Engineering, Oct 8-10,2015.

16. S Parvathi, P Vaishnavi," Reliable And Secure Critical Data Sets: Cloud Based Big Data Analytics", 2nd SRESA National Conference on Reliability and safety Engineering, Oct 8-10,2015.

17. S Ananthi, P Vaishnavi "Stratergic approach for monitoring human reliability analysis in cloud storage for safety critical system", 3nd SRESA National Conference on Reliability and safety Engineering, Dec 1-3,2016.

18. V Deenadayalan, P Vaishnavi "Big Data Analytics: Design and Development of High Performance Computing (HPC) Software to Analysis the Renewable Energy", 3nd SRESA National Conference on Reliability and safety Engineering, Dec 1-3,2016.

19. P Vaishnavi, G Shanthi "Reliability Analysis Of Routing Protocols In Manet", 3nd SRESA National Conference on Reliability and safety Engineering, Dec 1-3,2016.

20. P Vaishnavi, S Parvathi "Remote Monitoring Of Renewable Energy With The Integration Of High Performance Computing", 3nd SRESA National Conference on Reliability and safety Engineering, Dec 1-3,2016.

21. P Vaishnavi, G Vidhyalakshmi," Dependability Assessment of Mobile Ad Hoc Network Model ", 3nd SRESA National Conference on Reliability and safety Engineering, Dec 1-3,2016.

22. P. Vaishnavi, V Deenadayalan, S. Ananthi " Monitoring software to analyze the failure data in Critical Network Infrastructure (CNI)" American-Eurasian Network for Scientific Information (AENSI Publication), 2017 February 11(2): pages 7-13