

## FACULTY VITAE



1. Name : Dr. R. Shoba Rani

2. Education :

- 2014, Ph.D, Computer Science, Mother Teresa women's University, India
- 2004, M.Phil, Annamalai University, India
- 2002, MCA, Bharathidasan University, India
- 1995, B.Ed, Annamalai University, India
- 1988, B.Sc Chemistry, University of Madras, India

3. Academic experience :

Dr.MGR Educational and Research Institute University, Chennai – 10 years

- Associate Professor – from Mar'14 to Till date
- Assistant Professor – from Aug'08 to Feb'14

Tamil Nadu Open University, Chennai - 2 Years

- Lecturer - from Dec'05 to Dec'07

Lady Willingdon Institute of Advanced Study in Education, Chennai - 2 Years 6 Months

- Lecturer - from Jun'03 to Dec'05

4. Non-Academic Experience :  
NIL

5. Certifications or Professional Registrations :

1. Cambridge International Certificate for Teachers and Trainers
2. Dale-Carnegie-High Impact Teaching Skills Trained Teachers
3. Attended the **Java IoT Trainers Training Programme** organized by Oracle University India, Feb 6<sup>th</sup> to 10<sup>th</sup>, 2017.
4. Participated Research Expo 2018 on 6<sup>th</sup> October @ Sricity, Andrapradesh
5. Attended International Seminar on Business Analytics, GST & Artificial Intelligence with Ministry of Corporate Affairs-The institute of Cost Accountants of India on 23<sup>rd</sup> Feb, 2018
6. Attended 2 days faculty development program on Introduction to R Programming conducted by ICT academy on 11<sup>th</sup> & 12<sup>th</sup> Dec 2017
7. Participated in a discussion on "Improvement of Faculty Delivery Methods" "Teaching, Learning & Evaluation – NAAC Criterion 2" on 3<sup>rd</sup> May 2017
8. Participated Workshop on Big Data Analytics on 22.11.2017
9. Attended 2 days faculty development program on Introduction to R Programming conducted by ICT academy on 11<sup>th</sup> & 12<sup>th</sup> Dec 2017
10. IBM Certified Solution Designer - Rational Functional Tester

**6. Current membership in professional organizations**

Nil

**7. Honors and awards**

1. Award for Research Contribution Certificate (President Award)
2. Certificate of Excellence, Faraday Award of Excellence in Academics- 2014
3. MGR 2015 Research Award- research contribution certificate 2016

**8. Service activities**

- Foss coordinator
- Chief Organizer for conducting Foss programme in association with IIT-Bombay
- Visiting Faculty, PYDAH College of Engineering & Technology, Visakhapatnam, Andhra Pradesh, 2014
- Resource Person, .Net Technologies, 2012
- Resource Faculty, Inservice Training Programme of IASE's, CTE's conducted by LWIASE, 2004
- Resource Faculty, Inservice Training Programme for Lecturers of DIET and TTI by LWIASE, 2004
- Convenor for conducted National Level conference -NCICT 2015 and NCICT 2016.

**9. Publications and Presentations**

**LIST OF PUBLICATIONS**

**Published International Journals:**

1. K. Sujatha, R. S. Ponmagal, K. Senthil Kumar, **R. Shoba Rani** and Golda Dilip, IoT-Based Multimodal Biometric Identification for Automation Railway Engine Pilot Security System, presented in the Smart Computing and Informatics, on SCI 2016, Volume 77. pp. 147-154, [https://link.springer.com/chapter/10.1007%2F978-981-10-5544-7\\_15](https://link.springer.com/chapter/10.1007%2F978-981-10-5544-7_15).
2. V.R. Niveditha and Dr. Shoba Rani, K-NN Based Malware detection in Android System, International journal of Emerging Technology in Computer Science and Electronics(IJETCSE), Vol.24, issue-5, April 2017.
3. V.R. Niveditha and Dr. Shoba Rani, Reassessment of Permission Gaps in Android Applications, International journal of Emerging Technology in Computer Science and Electronics(IJETCSE), Vol.24, issue-4, March 2017.
4. Shoba Rani, P.Vijaya Abirami and K. Surya Prakash, Implementation of Biological Recognition system for Gender Identification using Fingerprint images, Indian Journal of Science and Technology, Vol 9(43), DOI: 10.17485/ijst/2016/v9i43/91357, November 2016 (**Scopus Indexed**)
5. R. Rajalakshmi, Dr.T.V. Ananthan and Dr. Shobarani, Improving Energy Efficiency through Green Computing in Wireless Sensor Networks, **Poll Res. 35 (3) : 609-613 (2016)**, Copyright © EM International, ISSN 0257–8050, 10 June, 2016 (**Scopus Indexed**)

6. V. Viswa Priya and Shobarani, An Efficient Segmentation Approach For Brain Tumor Detection In MRI, Indian Journal of Science and Technology, Vol 9(19), DOI: 10.17485/ijst/2016/v9i19/90440, May 2016 (**Scopus Indexed**)
7. Shoba Rani and Syed Ali.D, Categorization Of Video Using Viola Jones and Fisher's Linear Discriminant Function, Australian journal of basic and applied Sciences, 9(23) July 2015, Pages: 418-423. . (**Scopus Indexed**)
8. Dr. Shoba Rani, Segmentation performance of Mosaic Textures using K-Means with CC, International Journal of Applied Engineering Research(IJAER), Vol.9, No.20, pp.6661-6673, July 2014. (**Scopus Indexed**)
9. M. Bhavani and Shoba Rani, Human Identification using Finger and Iris Images, International journal of Computer Trends and Technology, Vol.4, Issue 3, 2013.
10. Shoba Rani and Dr. S. Purushothaman Implementation of Textile Image Segmentation using Rotational Gabor Filter and Echo State Neural Network, International Journal of Scientific & Engineering Research, Vol.4, issue5-2013, pp.457-462.

### **International Conferences:**

1. V.R. Niveditha and Dr. Shoba Rani, Reassessment of Permission Gaps in Android Applications, Presented in the International Conference on Recent Trends in Engineering Science, 25<sup>th</sup> March.2017.
2. R. Rajalakshmi, Dr.T.V. Ananthan and Dr. Shobarani, Improving Energy Efficiency through Green Computing in Wireless Sensor Networks, presented in the International Conference (Atulyam 2015) on E- Waste management on 20-21 August 2015.
3. Shoba Rani and Dr. S. Purushothaman, Implementation of Textile Image Segmentation using Contextual Clustering and Fuzzy Logic, Presented in the Second International Conference on Internet Computing and Information Communications(ICICIC Global 2012), on 27-28 July 2012. **Published in Springer, 2014. (Scopus Indexed)**
4. Jafer Ali and Shoba Rani, Face Recognition and Facial Age Estimation using Facial Local Features, presented in the Advanced Computing, Machines and Embedded Technology (ICAET 2013), 09<sup>th</sup> March 2013.
5. Shoba Rani, Review of Texture Types and Texture Analysis Methods, Presented in the International Conference(EGOV) on 17-18th Oct 2012.

### **National Conferences**

1. Dr.Shoba Rani, Spectral Image Processing and Analysis, presented in the National Conference on Innovative Information Technologies, 19<sup>th</sup> sep 2018.
2. Kavita Rupan and Dr. Shoba Rani, Cyber Security Mechanism in the World, Presented in the National conference on E-governance & cloud Computing Services, 28<sup>th</sup> April 2017.
3. V.R. Niveditha and Dr. Shoba Rani, Active Malware Ascertainment and testing of Android applications, Presented in the National Conference on Innovative Trends in engineering and Technology. 31<sup>st</sup> March 2017.
4. V.R. Niveditha and Dr. Shoba Rani, Android Malware Forensics; Renovation of Malicious Actions, Presented in the National Conference on Emerging Technologies in Engineering, 12<sup>th</sup> April 2017.

5. P.Vijaya Abirami, Dr. Shoba Rani, An analysis on finger print identification for gender classification, 3<sup>rd</sup> National Conference on Innovative Computing Techniques-Citizen Empowerment 20<sup>th</sup> April 2016.
6. V. Viswa Priya and Shobarani, Tumor detection in brain MRI using Threshold based Segmentation with Morphological Operations, 3<sup>rd</sup> National Conference on Innovative Computing Techniques-Citizen Empowerment. 20<sup>th</sup> April 2016.
7. Dr. Shoba Rani, A Survey on Clustering routing protocol schemes in WSN, 3<sup>rd</sup> National Conference on Innovative Computing Techniques-Citizen Empowerment, 20<sup>th</sup> April 2016.
8. Anu, Ambika and Dr. Shoba Rani, Analysis of various segmentation techniques to diagnose the possible liver disorder, National Conference on Innovative Computing Techniques-Sustainable Computing & Modeling,. 09<sup>th</sup> April 2015
9. Dr. Shoba Rani, A motion based detection of intruders with continuous capturing of live frames & generating alert, National Conference on Innovative Computing Techniques (NCICT-14), 28<sup>th</sup> March 2014.
10. Dr. Shoba Rani, A motion based detection of intruders with continuous capturing of live frames & generating alert, National Conference on Innovative Computing Techniques (NCICT-14), 28<sup>th</sup> March 2014.
11. Dr. Shoba Rani, Performance Analysis of Reactive & Hybrid Protocol in Vanet and Manet, National Conference on Innovative Computing Techniques (NCICT-14), 28<sup>th</sup> March 2014.
12. Mahalakshmi and Dr. Shoba Rani, Video Categorization using Viola Jones, National Conference on Innovative Computing Techniques (NCICT-14), 28<sup>th</sup> March 2014.