

## CURRICULUM VITAE

Name : **Dr.T.R.Sivapriya**  
email id(official) : [sivapriya@ldc.edu.in](mailto:sivapriya@ldc.edu.in)

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**Educational qualification** : **MCA, M.Phil., PhD**

- 2017- Awarded PhD in Computer Applications  
Karunya University, Coimbatore, Tamilnadu, India
- 2006- 2007: Master of Philosophy in Computer Science  
Madurai Kamaraj University, Madurai, Tamilnadu, India  
Thesis title: “Neural Network Model for Medical data Classification”
- 1997 - 2000: Master of Computer Applications (Full Time)  
Madurai Kamaraj University, Madurai, Tamilnadu, India
- 1994 - 1997: Bachelor of Science – Computer Science (Full Time)  
Madurai Kamaraj University, Madurai, Tamilnadu, India  
Class: I Class with Special Distinction

### **Work experience till date :**

- At present, Associate Professor and Co-ordinator, B.Sc. ITM and M.Sc.IT, Lady Doak College, Madurai, Tamilnadu, INDIA.
- Serving as Co-ordinator of IT since 2014
- Served as Additional Controller of Examinations at Lady Doak College from 2013 - 2018
- Serving as SWAYAM-NPTEL Mentor from 2018 onwards

### **Awards/medals/honours/recognition** :

- **Received ACTIVE SPOC award from SWAYAM-NPTEL for July -December 2019-2020**
- **Best paper award in IEEE Conference at Vickram College of Engineering for the presentation of paper titled 'Hybrid feature reduction and selection for enhanced classification of high dimensional medical data' in 2013**
- Invited reviewer in **IEEE Transactions on Biomedical Engineering and IETE Journal of Research**
- **Invited reviewer in Springer Neural Processing Letters**
- **Invited reviewer in IEEE Access (<https://publons.com/journal/28130/ieee-access>)**

### **Research Experience**

**12 years of Research experience**

**Number of Journal Publications : 9, Conference Publications : 7**

- Researcher ID : H-4055-2015 <http://www.researcherid.com/rid/H-4055-2015>
- SCOPUS Author ID : 54384174000
- SCOPUS h-index :3, Google Scholar h-index:5, i-10 index :1

### **Journal Publications (Selected)**

- Sivapriya T.R., Malarvizhi (2019) “Predictive Analysis of Key Factors that Influence High Risk Cross Gambling with Class Balanced Categorical Hybrid Feature Selection”, *International Journal of Emerging Technologies and innovative Research* 6(5), 35-39.
- Sivapriya. T. R., Nadira Banu Kamal. A.R. and Ranjit Jeba Thangaiah. P. (2015) “Ensemble Merit Merge Feature Selection for Enhanced Multinomial Classification in Alzheimer’s Dementia”, *Computational and Mathematical Methods in Medicine* 2015: 11. (Thomson Reuters IF :0.887).
- Sivapriya. T.R., Nadira Banu Kamal, A.R. and Thavavel. V. (2013) “Automated classification of Dementia using PSO based least square support vector machine”, *International Journal of Machine Learning and Computing* 3(2), 181-185. (Elsevier database)
- Sivapriya. T.R., Nadira Banu Kamal, A. R. and Thavavel, V. (2012) “Imputation And Classification Of Missing Data Using Least Square Support Vector Machines—A New Approach In Dementia Diagnosis”, *International Journal of Advanced Research in Artificial Intelligence*, 1(4), 29-33. (Tracked by Thomson Reuters)
- Sivapriya, T.R., Saravanan, V. and Ranjit Jeba Thangaiah. P. (2011) “Texture analysis of brain MRI and classification with BPN for the diagnosis of Dementia”, In *Trends in Computer Science, Engineering and Information Technology*, 553-563. Springer Berlin Heidelberg. (Thomson Reuters)
- Sivapriya. T.R. and Saravanan. V. (2011) “Dementia Diagnosis relying on Texture based features and SVM classification”, *ICGST-AIML Journal* 11(1), 1-11.
- Sivapriya. T.R. and Saravanan. V. (2011) “Automatic brain MRI mining using Support Vector Machine and Decision tree”, *Artificial Intelligent Systems and Machine Learning* 3(2), 109-116.

### **Conference publications (Selected)**

- Sivapriya, T. R., Akila, (2019). “Enhance Software Development Team Effort by Classification of Employee Performance”, *Aspire Journal*, 4(1), 51-56.
- Sivapriya, T. R., Kamal, A. N. B., & Thavavel, V. (2013). Automated classification of dementia using PSO based least square support vector machine. *International Journal of Machine Learning and Computing*, 3(2), 181.
- Sivapriya. T.R. and Thavavel. V. (2012) “Automated classification of MRI based on hybrid Least Square Support Vector Machine and Chaotic PSO” *IEEE Third International Conference on Computing Communication & Networking Technologies (ICCCNT)*, 1-7.
- Sivapriya. T.R., Saravanan. V (2010) “Evolutionary Decision Tree Extraction from Trained Backpropagation Network for Mining Brain MRI”, *International Conference on Information and Communication Technology ICICT-Dec, 2010*, 148-152. ISBN 978-1-45-7-5165-0.
- Sivapriya. T.R., Saravanan V. (2010) “Hybrid PSO based neural network classifier and decision tree for brain MRI mining”, *International Conference on Computers Communication and Intelligence –ICCCI’10*.

### Invited talks

- **Delivered a Guest Lecture on Cloud Edge Computing at Yadava Women's College, August 2019.**
- **Delivered a Guest Lecture on "Internet of Things" at Thiagaraja College of Arts and Science on 2<sup>nd</sup> February, 2019.**
- **Resource person in National Conference in the topic 'Iris and Voice Recognition' at Arulanandar College on 9<sup>th</sup> March 2019.**
- Served as Chairperson for a Paper presentation session at the International Conference at Manonmaniam Sundaranar University, Tirunelveli in 2012
- Served as trainer in designing Courses in MOODLE
- Gave a Lecture on Employability skills at KLN College of Engineering, Madurai in collaboration with CTS
- Lecture on "Digital Water Marking" at **Madurai Sivakasi Nadars Pioneer Meenakshi Women's College**

### **Conference/workshops/lectures participated**

#### **Workshops**

<b>Title of the Workshop</b>	<b>Conducted by</b>	<b>Date</b>
Machine Learning using Matlab	Dept of Computer Science	07-08-2019
Introduction to Internet of Things	ICT Academy	28-03-2018
Bridge 2018 Conference	ICT Academy	
Festival of Learning IoT and Cloud	Department of Information and Technology	16-11-2018
National Workshop on E Content and MOOC	SWAYAM Centre	22-12-2018
Everyone has Influence	GLS, India	08-02-2019 to 09-02-2019
Preparation of Course Content based on Outcome Based Education - Outcome Based Education	CPEC	20-02-2019
FDP on Open Book Assessment	Dr. S. Sri Latha	20-03-2019
Advanced Counselling Skills	Counselling Unit	01-11-2007
Gender Just Education	lady doak college	17-11-2005
Training on Digital Image Processing	dept.of comp.science, lady doak co	09-04-2008

J2EE and Best Practices in Applciation Development	ICT academy	27-08-2009
Sof Computing	KLN college of Engg	27-12-2010
Academic Audit	Lady Doak college	15-09-2010
Backward design	Lady Doak College	05-11-2011
workshop cum Training on Digital Image Processing using SCILAB	Department of Computer Science,Lady Doak College,MADURAI.	05-08-2014
Towards A More Effective Teaching-Learning-Testing Process-Underlying	Lady Doak College, Madurai	19-06-2012

### Training Attended

Topic	Conducted By	Date
Machine Learning using Matlab	Dept of Computer Science	07-08-2019
Data Science and Big Data Analytics	ICTACT	27-11-2017
Android Mobile Application Development	WinWays	09-09-2017
Digital Image Processing using Scilab	Dept of Computer Science	05-08-2014
ASP.NET	Dept. of Computer science	01-01-2004
Image Processing in VC++	Dept. of Computer Science	01-01-2006
LINUX	Dept. of Computer Science	01-01-2005
RIPPLE	ICTACT	30-06-2011
ORACLE	ICTACT-ORACLE	16-05-2011
RIPPLE TRAINING	CTS-ICTACT	10-09-2011
J2EE	Lady Doak College	18-01-2011
MAYA	Lady Doak College	09-02-2009
Challenges in integrating Action and Research in Women#s Studies	Lady doak college	20-02-2007
Enhancing Professional competency	Lady doak college	06-06-2007
Training on Digital Image Processing	Department of Computer Science, Lady Doak College,Madurai.	09-04-2008
Workshop on Matlab	Department of Computer Science, Lady Doak College,Madurai.	11-07-2008

PC Hardware Training	Dept. of Computer science	01-03-2010
FDP-Project Management Concepts, PMI-Educational Foundation	CTS, Chennai, ICTACT Chennai.	30-01-2012

### **Contributions at International level**

- Submitted an essay on “An Integrated Approach in Value Education – Lady Doak College Experience” in the International conference titled “Dialogue with the cultures Implementing values Education in the Multicultural Asia” conducted by Parahyangan catholic university , Bandung, Indonesia in October 2015
- Represented Lady Doak college in the ExCo Meeting held in Payap University, Thailand in May 2017.

### **Industrial Training**

- FDP-Project Management Concepts, PMI-Educational Foundation Cognizant Technology S, Chennai, ICTACT Chennai. 30-31 Jan 2012
- Training on “Employability Skills” at CTS, Chennai – 30<sup>th</sup> June, 1<sup>st</sup> July 2011
- EMERGE OUT CONCLAVE organised by NASSCOM at Chennai, 7<sup>th</sup> June 2011.

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