

## CURRICULUM VITAE

Name : Miss E. JOICE RATHINAM  
Associate Professor  
Department of Computer Science  
Lady Doak College  
Madurai  
[joicerathinam@ldc.edu.in](mailto:joicerathinam@ldc.edu.in)

Educational qualification : MCA, M. Phil., (SLET)

Name of the Degree	Name of the Institution	Name of the University	Year of Passing	Percentage of Marks	Class Obtained
B.Sc., Computer Science	The SFR College for Women	Madurai Kamaraj University	April 2004	70.85	I
MCA	Fatima College	Madurai Kamaraj University	April 2007	86.2	I class with distinction
M.Phil. Computer Science	Manonmaniam Sundaranar University	Manonmaniam Sundaranar University	Jan 2016	66.6	I
SLET	--	Bharathiar University	Oct 2012		

Work experience : 12 years

Research projects : **Rule-based classification of a remote sensing soil image using spatio-textural parameters**

Publications :

### LIST OF PAPERS PUBLISHED:

#### Journal Publications

1. **“Estimation of Chlorophyll Content in Papaya Leaf using Mathematical Operations”** International Journal of Computer Applications® (IJCA) (0975 – 8887) Machine Learning –Challenges and Opportunities Ahead, MLCONF-2014 (ISBN: 973-93-80881-37-5), APRIL 2014.
2. **“Identifying the Healthy and Unhealthy Area in Sugarcane leaves”** – International Journal of Computer Applications® (IJCA) (0975 – 8887) Machine Learning –Challenges and Opportunities Ahead, MLCONF-2014 (ISBN: 973-93-80881-37-5), April 2014

3. <b>“Rule based classification of a remote sensing soil image using spatio-textural parameters”</b> , Research India publications, Vol. 10, Pg no. 43 Spcl.issue, Page no.: 30528-30532 with impact factor ISAER 1.8233STR
<b>Publications in conference proceedings</b>
1. <b>“Detection of Exudates in Retinal Images using Linear Spatial Filtering”</b> , UGC sponsored, National Seminar on Advances in Computing and technology, Organized by SRI Ramaswamy Naidu Memorial College, Sattur, February 2015, Page no.:174-176 <b>ISBN No: 978-93-5212-074-1</b>
2. <b>“Exudates detection in retinal images using Mathematical Morphology and spatial Relationship of pixels”</b> , National Conference on Recent Advances in Computer Science and Applications [NCRACSA-2015] Department of computer science and applications, The Gandhigram Rural Institute –Deemed University, Gandhigram, Dindigul dt., on March 19 <sup>th</sup> ,20 <sup>th</sup> 2015, Page no.: 49-52 ISBN No. : 978-93-84743-57-4
3. <b>“Analysis of Transmission Algorithms for a Multi-channel packet in WMNs”</b> , Second National Conference on ‘Recent Research Trends in Advanced Computing, organized by Thiagarajar School of Management, Madurai on April 17, 2009.

Conference/workshops/lectures presented :

**International Level (Paper presented):**

1. **“Rule based classification of a remote sensing soil image using spatio-textural parameters”**, Second international conference on Computational intelligence, organized by the department of Information Technology, Sethu Institute of Technology, Kariapatti on 9<sup>th</sup> & 10<sup>th</sup> April 2015

**National Level (Paper presented):**

1. **“Analysis of Transmission Algorithms for a Multi-channel packet in WMNs”**, Second National Conference on ‘Recent Research Trends in Advanced Computing, organized by Thiagarajar School of Management, Madurai on April 17, 2009.

Seminar			
Title	Conducted By	From	To
Mutimedia Signal Processing	Mepco Schlenk Engineering College, Sivakasi	22/8/2008	23/8/2008
Advanced Leadership seminar for Pastors	Madras Christian College	29/4/2014	1/5/2014
Big Data Analysis	Department of Computer Science	27/02/2015	--

<b>Conference</b>			
<b>Title</b>	<b>Conducted By</b>	<b>From</b>	<b>To</b>
Second National Conference on Recent research trends in advanced computing	Department of Computer Applications, Thiagarajar School of Management, Madurai	17/4/2009	17/4/2009
International Conference on Science, Society and sustainability	Lady Doak College	11/1/2012	13/1/2012
National Conference on ICT – A Catalyst of Change for Transforming Teaching, Learning & Research in Commerce, Computer Science & Management Education	Department of Commerce, Computer Science & Business Administration, Lady Doak College, Madurai	9/1/2014	10/1/2014
Second International Conference on COMPUTATIONAL INTELLIGENCE	Department of Information Technology, Sethu Institute of Technology, Pulloor, Virudhunagar Dt.	09/04/2015	10/04/2015
<b>Workshop</b>			
<b>Title</b>	<b>Conducted By</b>	<b>From</b>	<b>To</b>
Image Processing using Matlab	Department of Computer Science, Lady Doak College	11/7/2008	12/7/2008
Being an Effective Teacher	Lady Doak College	9/6/2008	13/6/2008
Research issues in Image Processing and Applications	Department of Computer Applications, PSNA college of Engineering and Technology, Dindigul	5/3/2009	6/3/2009
National workshop on research trends in grid computing	Department of Computer applications, Kalasalingam University, Krishnankoil	13/3/2010	13/3/2010
Workshop for the Resident Hall Supervisor	Lady Doak College	1/12/2012	2/12/2012

Digital Image Processing using Scilab	Department of Computer Science, Lady Doak College, Madurai	5/8/2014	5/8/2014
Research Trends in Data Mining using WEKA	Department of Computer Science, Lady Doak College, Madurai	31/1/2013	31/1/2013
J2EE	Department of Computer Science, Lady Doak College, Madurai	18/1/2011	21/1/2011
Adolescent Sexuality	Counseling Unit & Centre for Value Education Programme, Lady Doak College, Madurai	22/7/2013	23/7/2013
Current Trends in IT – Android Application Development	Department of Computer Science	18/9/2013	18/9/2013
Research Trends in Data Mining using WEKA	Department of Computer Science, Lady Doak College, Madurai	31/1/2014	--
State level workshop on Big Data analysis, mining, and Tools	Department of Computer Science, Lady Doak College, Madurai	27/02/2015	--
Counseling Skills	Counseling Unit, Lady Doak College, Madurai	10/06/2015	12/06/2015
Big Data Analytics Tool - R	Madurai Kamaraj University	19/01/2018	19/01/2018
Outcome Based Education	CPEC, Lady Doak College	20/02/2019	20/02/2019
Developing and Deploying Machine Learning and Deep Learning Algorithms Using MATLAB & Simulink	Department of Computer Science, Lady Doak College	08/07/2019	08/07/2019
Two Day National Workshop on “Training of Teachers for Student Induction Programme (SIP)- Deeksharambh- Phase-II”	UGC SERO, Bharathiar University, Coimbatore	30-10-2019	31-10-2019

<b>Faculty Development Program</b>			
Data Science and Big Data Analytics	ICT Academy of Tamil Nadu	11/07/2016	15/07/2016
Short Term course on ACADEMIC LEADERSHIP	Crescent College of Education for Women, Madurai	10/04/2019	16/04/2019
<b>Training Course</b>			
<b>Topic</b>	<b>Conducted By</b>	<b>From</b>	<b>To</b>
Training in MAYA Software	Department of Computer Science, Lady Doak College, Madurai	9/2/2009	27/2/2009
Hardware & Networking	Department of Computer Science, Lady Doak College, Madurai	1/3/2010	20/3/2010
OOPS Using C++	ICT Academy of Tamilnadu	29/7/2011	30/7/2011
Certificate in .NET Programming	ICT Academy of Tamil Nadu	13/2/2012	20/2/2012
PHP with MySql	Ixicon, Madurai	40 hrs	

Place: Madurai

E. JOICE RATHINAM

Date: 03-02-2020