



# Raja Doraisingam Government Arts College

(Affiliated to Alagappa University, Karaikudi)

Sivagangai - 630561



## FACULTY PROFILE

- Name** : Dr.J.Arunadevi
- Father's Name** : N.Jayaraj
- Designation** : Assistant Professor
- Age & Date of Birth** : 43, 17.08.1979
- Gender** : Female
- Address for Communication** : RS No. 74/16, Plot No.9, Star St,  
Krishna Nagar Main st, Krishna Nagar,  
Thiruppalai, Madurai - 625014
- Phone No** : 9442028736
- Email- id** : arunardm2015@gmail.com
- Educational Qualification** :



S.No.	Course	University/College	Year of Passing
1.	B.Sc. Physics	Sri Parasakthi College for Women, Courtallam	2001
2.	M.C.A	Manonmanium Sundaranar University, Trinelvelli	2004
3.	M.Phil (CS)	Manonmanium Sundaranar University, Trinelvelli	2005
4.	Ph.D (CS)	Mother Teresa Women's University, Kodaikanal	2012
5.	S.E.T	Bharathiyar University, Coimbatore	2012

10. **Area of Specialization** : Machine Learning, Data Analytics, Soft Computing

11. **Experience :**

S. NO	Name of Organization	Period		Year of Experience
		From	To	
1	Thiagarajar College of Engineering, Madurai	Sep 2004	March 2006	1 year, 2 months
2	Thiagarajar School of Management, Madurai	March 2006	March 2013	7 years
3	K.L.N College of Information Technology, Madurai	March 2013	January 2015	1 year, 11 Months
4	Raja Doraisingam Govt. Arts College, Sivaganga	July 2015	Till date	7 years, 7 months

12. **Publications:**

S.No.	Title	Name of the Journal	ISSN / ISBN	Year
1	A study of classification algorithms using Rapidminer	International Journal of Pure and Applied Mathematics	1314-3395	2018
2	A study of hybridizing Population based Meta heuristics	International Journal of Pure and Applied Mathematics	1314-3395	2018
3	Impact of Activation functions in Deep Neural net algorithm on Classification performance parameters	International Journal of Pure and Applied Mathematics	1314-3395	2018
4	Comparison of classifiers for Sentiment Analysis in Unstructured data	Advances and Applications in Mathematical Sciences	0974-6803	2019

5	Analysis of Population based Meta heuristics algorithms for Optimization of Functions	Advances and Applications in Mathematical Sciences	0974-6803	2019
6	Impact of Data Reduction through Sampling Techniques in Data Classification	Advances and Applications in Mathematical Sciences	0974-6803	2019
7	Application of Feature Weighting for the Intensification of Data Classification	International Journal of Innovative Technology and Exploring Engineering	2278-3075	2019
8	An investigation of Multi class classifiers with Spotify review data	Journal of Management Science and Humanities	2395-0625	2022
9	Evaluation of Bi-Class classifier based on various forms of Text Representations	Journal of Management Science and Humanities	2395-0625	2022

### 13. Paper Presented in Conferences/ Seminar:

S.No.	Title	Institution	Date & Year
1	Feature selection facilitated classification for breast cancer prediction	Surya Engineering College, Erode	27-29 March 2019
2	Augmented Sentiment Analysis in Unstructured data using Particle Swarm Optimization	The American College, Madurai	5th and 6th March 2020
3	An analysis of evolutionary algorithms for the stock market forecasting	The American College, Madurai	5th and 6th March 2020
4	Analysis of Hybrid Meta heuristics algorithms for Optimization of Functions with many Local Minima	The American College, Madurai	5th and 6th March 2020
5	Application of Data analytics for Mutual fund sector: A review	The American College, Madurai	5th and 6th March 2020

6	Improved Classifier through Dimensionality Reduction methods	The American College, Madurai	5th and 6th March 2020
7	A study on impact of different activation functions in imbalanced twitter data using shallow neural network for sentiment analysis	Madurai Kamaraj University	23rd – 25th, September 2020
8	Imbalanced twitter sentiment analysis using shallow neural network	Raja Bahadur Venkata Rama Reddy Women's College, Hyderabad	24 – 25, November, 2021
9	Comparison of feature selection and dimensionality Reduction methods for data reduction	Raja Bahadur Venkata Rama Reddy Women's College, Hyderabad	24 – 25, November, 2021
10	Social Media – A multi disciplinary view	Alpha Arts and Science College, Chennai	9 <sup>th</sup> -10 <sup>th</sup> Dec , 2021
11	Improved Sentiment Analysis for Imbalanced Covid-19 Data	Alpha Arts and Science College, Chennai	9 <sup>th</sup> -10 <sup>th</sup> Dec , 2021
12	Enhanced Classifier for Breast Cancer Prediction using Data Reduction Techniques	Alpha Arts and Science College, Chennai	9 <sup>th</sup> -10 <sup>th</sup> Dec , 2021
13	Evaluation of Classifiers for the Diabetes data for the Analysis on Risk of Readmission of the Patient	Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences (SIMATS), Chennai	9 <sup>th</sup> -10 <sup>th</sup> Sep , 2022
14	Assessment on Different Text Representations of the Corpus with reference to COVID tweets	Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences (SIMATS), Chennai	9 <sup>th</sup> -10 <sup>th</sup> Sep , 2022
15	Comparison of Multi Class Classifiers for the Social Media Review Data	Saveetha School of Engineering, Saveetha Institute of Medical and	9 <sup>th</sup> -10 <sup>th</sup> Sep , 2022

	Technical Sciences (SIMATS), Chennai	
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**14. Seminar / Conference / workshop / Attended:**

S.No.	Institution	Date & Year
1		
2		
3		

**15. Details of Research Projects :**

Title	Sponsoring Agency	Amount	Responsibility

**16. Ph.D Guidance/Supervisorship:**

Name of scholar	Course	Area of research	Status
M.Rameshraj	Ph.D. (CS)	Text Mining	Ongoing
R.Uma	Ph.D. (CS)	Meta Heuristics	Ongoing
K.Ganeshamoorthy	Ph.D. (CS)	Data Reduction	Ongoing
K.Hema Kirthiga	Ph.D. (CS)	Social Media Data Mining	Ongoing

**17. Seminar/ Conference/ Workshop Organised:**

S.No.	Topic	Institution	Date
1	Internet Of Things(IoT): Vision and Future	Raja Doraisingam Govt. Arts College, Sivganga	15 <sup>th</sup> July, 2020
2	Cognitive Cyber Security	Raja Doraisingam Govt. Arts College, Sivganga	11 <sup>th</sup> Dec, 2020

## 18. Webinar Attended

Sl.No	Topic And Organizing Institution	Date
1	Data Science Using Python, Kongu Engineering College, Erode	20 <sup>th</sup> – 24 <sup>th</sup> May 2020
2	Design, Develop and Deliver online courses through MOODLE platform , Tamil Nadu State Council for Higher Education (TANSCH), Chennai	29 <sup>th</sup> & 30 <sup>th</sup> May 2020
3	Quantum Computing, AICTE Training And Learning (ATAL) Academy , NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, CHANDIGARH.	15 <sup>th</sup> – 19 <sup>th</sup> June 2020

## 19. Orientation/Refresher/FDP/STP/MOOCs Attended

Sl.No	Name of the Programme	University	From	To
1	TWO -WEEK REFRESHER COURSE IN COMPUTER SCIENCE on theme “Network Security”	Madurai Kamaraj University	13 <sup>th</sup> Feb, 2020	26 <sup>th</sup> Feb 2020
2	FDP on Open Source tools for research	Ramanujan College, University of Delhi	8 <sup>th</sup> June 2020	14 <sup>th</sup> June 2020
3	TWO -WEEK REFRESHER COURSE IN COMPUTER SCIENCE on the theme “NEXT GENERATION TECHNOLOGIES”	Ramanujan College, University of Delhi	29 <sup>th</sup> June, 2021	13 <sup>th</sup> July 2021

## 20. Resource Person:

Sl.No.	Topic	Delivered at	Period
1	Time Management for Excellence	Nallamuthu Gounder Mahalingam College, Pollachi	21 <sup>st</sup> Nov, 2020
2	Cyber Intelligence	Dr. N.G.P. ARTS AND SCIENCE COLLEGE, Coimbatore	8 <sup>th</sup> June , 2021
3	Artificial Intelligence and Machine Learning Using Python	Thassim Beevie Abdul Kader College for Women, Kilakarai	6 <sup>th</sup> July, 2021

## 21. Members in Organization's :

**22. Other Positions/Achievements:**

**(Signature)**