

**Aditanar College of Arts and Science  
Virapandianpatnam – 628216  
Tiruchendur  
Bio - Data**



**Name of the Department** : Mathematics

**Name of the faculty member** : Dr.M.J.Jeyanthi

**Qualification** : M.Sc., M.Phil., Ph.D.

**Present Designation** : Assistant Professor

**Vidwan id** : 250711

**Residential Address** : 61 B, Melashunmugapuram, II street,  
Thoothukudi – 628003

**Contact Nos.** : 7200072092

**Email** : mjjevanthi@gmail.com

**Gender** : Female

**Community** : BC

**Date of Birth and Age** : 02.06.1980, 43

**Date of joining** : 01.07.2013

**Date of Retirement** : 30.06.2040

**I. Particulars of Educational Qualification**

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc.	Mathematics	2000	Govindammal Aditanar College for Women, Tiruchendur	Manonmaniam Sundaranar University	83.4	First
PG	M.Sc.	Mathematics	2004	Kamaraj College, Tuticorin	Manonmaniam Sundaranar University	90.3	First
M. Phil		Mathematics	2006	Aditanar College of Arts and Science, Tiruchendur	Manonmaniam Sundaranar University	80.6	First
Ph.D.		Mathematics	2012	Aditanar College of Arts and Science, Tiruchendur	Manonmaniam Sundaranar University		

- II Additional Qualification** : Nil  
**NET/SLET**
- III Title of Ph.D. Thesis** : Contributions to  $\Lambda_r$  – closed sets,  
 $\Lambda_r$  – separation axioms and  
 $\Lambda_r$  – continuity
- IV Faculty/Discipline/Subject in which Ph.D. was awarded** : Mathematics
- List of Publications :
- No. of Candidates Completed Ph.D. under your Guidance : Nil
- No. of candidates doing Ph.D. under your Guidance : Nil

**V Academic Experience:**

Name of the College	Whether Govt/Aided/S.F.	Designation	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Kamaraj College, Tuticorin	Aided	Lecturer	20.06.2005	08.07.2009	4	-	19
Chandy College of Engineering, Mullakkadu	S.F.	Lecturer	09.07.2009	31.01.2010	-	6	23
Aditanar College of Arts & Science, Tiruchendur	Aided	Assistant Professor	07.07.2011	30.06.2013	1	11	24
Aditanar College of Arts & Science, Tiruchendur	Aided	Assistant Professor	01.07.2013	Till	10	9	
<b>Total</b>							

**VI Administrative/other Experience** : Nil

**VII Other Relevant Information** : Nil

**Book chapters or Papers published in national/international conference/Seminar/ workshop proceedings**

S.No	Title of the Chapter/ paper	Name of the authors	Title of the Book/ Proceedings of the conference	Name of the conference	National/ International	Year of publication	ISBN number of Book/ proceedings	Publisher/ Affiliating Institute at the time of Publication
1	Secured Stegnography	M.Jeyanthi J.Evanjaline	National Conference	National Conference	National	2010		Dr.Sivanthi Aditanar College of Engineering, Tiruchendur
2	Analysis of Information Gain Ranking Feature Selection Algorithm Using UCI Machine Learning Datasets	M.Jeyanthi C Velayutham	International Conference on Recent Trends in Multi – Disciplinary Research ( ICRTMDR -18)	International Conference on Recent Trends in Multi – Disciplinary Research ( ICRTMDR - 18)	International	February 2019	2349-5162 ISBN:978-81939399-6-3	Institute for Engineering Research and Publication(IFERP )/A.P.C Mahalakshmi College for Women

3	Comparative Analysis of Classification Algorithm Using Machine Learning Technique	N G Sree Devi M Jeyanthi	International Conference on Recent Trends in Multi – Disciplinary Research ( ICRTMDR -18)	International Conference on Recent Trends in Multi – Disciplinary Research ( ICRTMDR - 18)	International	February 2019	2349-5162 ISBN:978-81939399-6-3	Institute for Engineering Research and Publication(IFERP )/A.P.C Mahalakshmi College for Women
4	Machine Learning Feature Selection of EEG Signals in Brain Computer Interface	M.Jeyanthi C Velayutham	Two Day UGC-SAP National Conference on “Pattern Recognition, Informatics and Medical Engineering(PRI ME – 2019)	Two Day UGC- SAP National Conference on “Pattern Recognition, Informatics and Medical Engineering(P RIME – 2019)	National	March 2019	-	Periyar University
5	Statistical Measures using Feature Selection methods in Brain Computer Interface	M.Jeyanthi C.Velayutham S.JohnPeter	National Conference on Cognitive Science (NCCS 2019)	National Conference on Cognitive Science (NCCS 2019)	National	October 2019	-	Aditanar College of Arts and Science
6	BCI Feature Extraction Using Correlation Co-efficient Statistical Measures	J. Anila Maily, <b>Dr. C. Velayutham</b> , Dr.M.Mohamed Sathik	National Conference on Cognitive Science (NCCS 2019)	National Conference on Cognitive Science (NCCS 2019)	National	October 2019	-	Aditanar College of Arts and Science
7	Feature Extraction of Motor Imagery EEG Data Using Time Domain Statistical Parameters	J. Anila Maily, <b>Dr. C. Velayutham</b> , Dr.M.Mohamed Sathik	International Conference on Recent Trends in Multi- Disciplinary Research (ICRTMDR 2021)	International Conference on Recent Trends in Multi- Disciplinary Research (ICRTMDR 2021)	International	April 2021		A.P.C. Mahalaxmi College for Women, Thoothukudi
8	Intelligence Based EEG Signal Processing Techniques in Brain Computer Interface	M.Jeyanthi C.Velayutham S.JohnPeter	International Virtual Conference on Recent Innovations in Science and Technology	International Virtual Conference on Recent Innovations in Science and Technology	International	June 2021	-	Ernad Knowledge City Technical Campus, Malappuram Kerala
9	A Statistical Based Approach for Feature Extraction from EEG Signals	M.Jeyanthi C.Velayutham S.JohnPeter	International Virtual Conference on Scientific and Technological Convergence (ICSTC 2021)	International Virtual Conference on Scientific and Technological Convergence (ICSTC 2021)	International	August 2021	978-81-951315-4-9	Sri Sarada College for Women

10	A Novel Classification Approaches for EEG Signals in Brain Computer Interface	M.Jeyanthi C.Velayutham S.JohnPeter	International Conference on Computing and Intelligent System (ICCIS-21)	International Conference on Computing and Intelligent System (ICCIS-21)	International	August 2021	978-93-5526-075-8	Sri Krishna Aditiya College of Arts & Science
11	A Statistical Based Approach for Normalization Techniques from EEG Signals In Brain Computer Interface	M.Jeyanthi C.Velayutham S.JohnPeter	International Conference on Emerging Trends in Science, Technology and Mathematics	International Conference on Emerging Trends in Science, Technology and Mathematics	International	September 2021	-	Parvathy's Arts and Science College
12	Effective Classifications of EEG Signals in BCI applications	M.Jeyanthi C.Velayutham S.JohnPeter	International Conference on Intelligent Computing Systems	International Conference on Intelligent Computing Systems	International	October 2021	978-93-92042-09-6	Mother Teresa Women's University
13	An Entropy Based EEG Signal Feature Extraction Methods in Machine Learning	M.Jeyanthi C.Velayutham S.JohnPeter	International Conference on Innovation and Intelligence in Computing Systems (IICS'22)	International Conference on Innovation and Intelligence in Computing Systems (IICS'22)	International	May 2022	978-93-92264-01-6	Government Arts College for women
14	Computational Intelligence of Data Normalization Techniques of EEG Signals in Brain Computer Interface	M.Jeyanthi C.Velayutham S.JohnPeter	International E-Conference on Recent Developments in Science, Engineering and Information Technology, (ICRDSEIT)	International E-Conference on Recent Developments in Science, Engineering and Information Technology, (ICRDSEIT)	International	May 2022	978-93-91077-8	Madurai Kamaraj University
15	Investigation of Classification Techniques of EEG Signals in Brain Computer Interface	M.Jeyanthi C.Velayutham S.JohnPeter	International Conference on Comprehensive Aspects of Cognitive Systems	International Conference on Comprehensive Aspects of Cognitive Systems	International	May 2022	9-789355-268938	Hindusthan College of Arts and Science
16	Feature Normalization on Effects on Motor Imagery EEG Signals Classification in Brain Computer Interface	M.Jeyanthi C.Velayutham S.JohnPeter	National Conference on Contemporary Research and Computer Intelligence (NAARCI-2022)	National Conference on Contemporary Research and Computer Intelligence (NAARCI-2022)	National	October 2022	978-93-84734-62-6	St.John's College of Arts and Science

17	Performance Evaluation of Discretization Approaches using BCI EEG Signal Classification	M.Jeyanthi C.Velayutham S.JohnPeter	International Conference on Computing and Intelligent System (ICCIS-23)	International Conference on Computing and Intelligent System (ICCIS-23)	International	January 2023	-	Sri Krishna Aditiya College of Arts & Science
18	Brain Computer Interface –EEG Signal Classification using QR Algorithm	M.Jeyanthi C.Velayutham S.JohnPeter	National Conference on Inter disciplinary Research through New Age Information Technology (IRNAIT-2023)	National Conference on Inter disciplinary Research through New Age Information Technology (IRNAIT-2023)	National	Feburary 2023	978-81-962277-1-5	Muslim Arts College
19	An analysis of Motor-Imagery EEG Signals Classification Approaches for Brain – Computer Interface	M.Jeyanthi C.Velayutham S.JohnPeter	National Conference on Challenges and Solutions in Data Science	National Conference on Challenges and Solutions in Data Science	National	Feburary 2023	-	Navarasam Arts and Science College for Women
20	Computational Intelligence of Feature Discretization Approaches of EEG Signal Classification in Brain Computer Interface	M.Jeyanthi C.Velayutham S.JohnPeter	International Conference on Recent Trends in Computer Science –RTCS 2023	International Conference on Recent Trends in Computer Science – RTCS 2023	International	March 2023	978-81955309-5-3	Alagappa University
21	Threshold Based Fuzzy Rough Quick Reduct Algorithm in Brain Computer Interface	M.Jeyanthi C.Velayutham S.JohnPeter	International Conference on Artificial Intelligence, Cyber Security and Mathematical Modelling (AICMM 2023)	International Conference on Artificial Intelligence, Cyber Security and Mathematical Modelling (AI CMM 2023)	International	October 2023		Loyala College of Arts and Science – Mettala

**Research papers published in the Journals:**

S.No	Title of paper	Name of the authors	Name of journal	Volume, Issue, Page No, Year	ISSN number	Is it listed in UGC Care list
1	Machine Learning Verdict of EEG Signals in Brain Computer Interface	M Jeyanthi, C.Velayutham	International Journal of Scientific Research in Computer Science Engineering and Information Technology	Volume 3, Issue 8, 429-441, 2018	2456-3307	UGC
2	Analysis of Information Gain Ranking Feature Selection Algorithm Using UCI Machine Learning Datasets	M Jeyanthi, C.Velayutham	Journal of Emerging Technologies and Innovative Research	Volume 6, Issue 2, 762-771, 2019	2349-5162	UGC
3	Comparative Analysis of Classification Algorithm Using Machine Learning Technique	N G Sree Devi M Jeyanthi	Journal of Emerging Technologies and Innovative Research	Volume 6, Issue 2, 485-489, 2019	2349-5162	UGC
4	A Statistical based approach for feature extraction from EEG signals	M.Jeyanthi, C.Velayutham S.JohnPeter	Design Engineering	Vol 2021 Issue 8, 1738- 1748 2021	0011-9342	Scopus
	A Novel Classification approaches for EEG signals in brain computer interface	M.Jeyanthi, C.Velayutham S.JohnPeter	Design Engineering	Vol 2021 Issue 8, 7434- 7448 2021	0011-9342	Scopus
6	A Statistical Based Approach for Normalization Techniques from EEG Signals in Brain Computer Interface	M.Jeyanthi, C.Velayutham S.JohnPeter	International Journal of Innovative Research in Science, Engineering and Technology	Volume 10, Special Issue 2, 2021	2320-6710	
7	Feature Normalization Effects on Motor Imagery EEG Signals Classification in Brain Computer Interface	M.Jeyanthi, C.Velayutham S.JohnPeter	Journal of Kavikulaguru Kalidas Sanskrit University, Ramtek	Volume VIII 136-138	2277-7067	UGC
8	Classification of Motor Imagery EEG Signals in Brain Computer Interface Based on Machine Learning Techniques	M.Jeyanthi, C.Velayutham S.JohnPeter	Journal of Kavikulaguru Kalidas Sanskrit University, Ramtek	Volume VIII 306-308	2277-7067	UGC