

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



Name of the Department : **Computer Science**

Name of the faculty member : **Dr C VELAYUTHAM**

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

Present Designation : **Head and Associate Professor of Computer Science**

Vidwan id : **183728**

Residential Address : **1/541, Kurunji Nagar I st Street,
Virapandianpatnam,
Tiruchendur, 628216**

Contact Nos. : **9443872502, 7010093959**

Email : **cvsir22@gmail.com**

Gender : **Male**

Community : **SC**

Date of Birth and Age : **14.02.1965**

Date of joining : **03.02.1992**

Date of Retirement : **28.02.2025**

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 | 1986 | National College, Trichy | Bharathidasan University | 56.75 | Second |
| PG | M.Sc | Applied Mathematics | 1989 | Bishop Heber College, Trichy | Bharathidasan University | 69.78 | First |
| PGDCA | PGDCA | Computer Applications | 1990 | Bishop Heber College, Trichy | Bharathidasan University | 61 | First |
| M. Phil | M.Phil | Computer Science | 2002 | Manonmaniam Sundaranar University | Manonmaniam Sundaranar University | 55 | Second |
| Ph.D. | Ph.D | Computer Science | 2013 | Periyar University | Periyar University | awarded | - |

II Additional Qualification : **NO**
NET/SLET

III Title of Ph.D. Thesis : Mammogram Image Analysis
Using Rough Set Theory

IV Faculty/Discipline/Subject in which Ph.D. was awarded : **Computer Science**

List of Publications : (Details Attach separate sheet)

No. of Candidates Completed Ph.D. under your Guidance : (Details Attach separate sheet)

No. of candidates doing Ph.D. under your Guidance : (Details Attach separate sheet)

V Academic Experience:

| Name of the College | Designation | Joining Date | Relieving Date | Experience | | |
|--------------------------------------|----------------------------------|--------------|----------------|------------|--------|------|
| | | | | Years | Months | Days |
| Aditanar College of Arts and Science | Lecturer in Computer Science | 03-02-1992 | 26-07-1998 | 6 | 5 | 23 |
| Aditanar College of Arts and Science | Lecturer(SS) in Computer Science | 27-07-1998 | 27-07-2003 | 5 | 0 | 0 |

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|--------------------------------------|---|------------|------------|-----------|----------|-----------|
| Aditanar College of Arts and Science | Lecturer(SG) in Computer Science | 28-07-2003 | 31-12-2005 | 2 | 5 | 3 |
| Aditanar College of Arts and Science | Associate Professor in Computer Science | 01-01-2006 | Till Date | 17 | 10 | 23 |
| Total | | | | 31 | 9 | 19 |

VI Administrative/other Experience : No

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 | Rough Set Based Unsupervised Feature Selection Using Relative Dependency Measures | C.Velayutham | UGC Sponsored National Conference on Emerging Computing Paradigms | UGC Sponsored National Conference on Emerging Computing Paradigms | National | February 2011 | | M.V.M Govt. Arts College(W) |
| 2 | Unsupervised Feature Selection Using Rough Set | C.Velayutham | IEEE Sponsored International Conference on Emerging Trends in Computing (ICETC) | IEEE Sponsored International Conference on Emerging Trends in Computing (ICETC) | International | March 2011 | 978-93-80769-04-2 | Sri Ramakrishna College of Engineering |
| 3 | Unsupervised Feature Selection Based on the Measures of Degree of Dependency using Rough Set Theory in Digital Mammogram Image Classification | C.Velayutham | IEEE- Third International Conference on Advanced Computing, ICoAC | IEEE- Third International Conference on Advanced Computing, ICoAC | International | December 2011 | 978-1-4673-0671-3 | Anna University |
| 4 | A Novel Feature Extraction Method Using Spectral Shape in Digital mammogram Image | C.Velayutham | IEEE WICT2011 World Congress on Information and Communication Technologies | IEEE WICT2011 World Congress on Information and Communication Technologies | International | December 2011 | 978-1-4673-0125-1 | |
| 5 | Unsupervised Feature Selection in | C.Velayutham | IEEE WICT2011 World | IEEE WICT2011 World Congress | International | December 2011 | 978-1-4673-0125-1 | |

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|----|--|----------------------------|--|--|---------------|---------------|------------------------------------|---|
| | Digital Mammogram Image Using Rough Set Based Entropy Measure | | Congress on Information and Communication Technologies | on Information and Communication Technologies | | | | |
| 6 | Rough Set Based Unsupervised Feature Selection in Digital Mammogram Image Using Entropy Measure | C.Velayutham | IEEE International Conference on Biomedical Engineering (ICoBE) | IEEE International Conference on Biomedical Engineering (ICoBE) | International | February 2012 | 978-93-80769-04-2 | Penang, Malaysia |
| 7 | Detection and Elimination of Pectoral Muscle in Mammogram Images using Rough Set Theory | C.Velayutham | IEEE International Conference on Advances in Engineering, Science and Management (IEEE-ICAESM 2012) | IEEE International Conference on Advances in Engineering, Science and Management (IEEE-ICAESM 2012) | International | March 2012 | 978-81-909042-2-3 | EGS Pillay Engineering College |
| 8 | A Novel Entropy Based Unsupervised Feature Selection Algorithm Using Rough Set Theory | C.Velayutham | IEEE International Conference on Advances in Engineering, Science and Management (IEEE-ICAESM 2012) | IEEE International Conference on Advances in Engineering, Science and Management (IEEE-ICAESM 2012) | International | March 2012 | 978-81-909042-2-3 | EGS Pillay Engineering College |
| 9 | Mammogram Image Analysis using Rough set Theory | C.Velayutham | Tamilnadu Science Forum-12 th conference | Tamilnadu Science Forum-12 th conference | International | August 2012 | 978-81-322-0491-6 | Periyar University |
| 10 | Social media networks as Teaching Tool: A survey | C.Velayutham | Social Media - A New Frontier for Business | Social Media - A New Frontier for Business | National | October 2013 | 978-93-80314-16-7 | Dr. Sivanthi Aditanar College of Engineering |
| 11 | 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(I FERP)/A.P. C Mahalakshmi College for Women |
| 12 | 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(P RIME – 2019) | Two Day UGC- SAP National Conference on “Pattern Recognition, Informatics and Medical Engineering(PRI ME – 2019) | National | March 2019 | - | Periyar University |

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|----|---|---|---|---|---------------|----------------|-------------------|--|
| 13 | 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 |
| 14 | Hyperspectral Image Segmentation based on Statistical Feature Extraction Approach | M.Preethi C.Velayutham | National Conference on Cognitive Science (NCCS 2019) | National Conference on Cognitive Science (NCCS 2019) | National | October 2019 | - | Aditanar College of Arts and Science |
| 15 | 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 |
| 16 | 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 |
| 17 | Comparative Analysis Based on Machine Learning and Deep Learning for Hyperspectral Image classification | M. Preethi, Dr. C. Velayutham, Dr. S. Arumugaperu mal | 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 |
| 18 | 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 |
| 19 | Hyper spectral Image classification Based on Statistical Feature Extraction Approach | M. Preethi, Dr. C. Velayutham, Dr. S. Arumugaperu mal | 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 |
| 20 | A Statistical Based Approach for Normalization Techniques from EEG Signals In Brain | 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 |

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|----|--|--|--|--|---------------|----------------|-------------------|--|
| | Computer Interface | | | | | | | |
| 21 | Integration of 2-Dimensional Convolutional Neural Network and Markov Random Field for Hyperspectral Image Classification | M. Preethi, Dr. C. Velayutham, Dr. S. Arumugaperumal | 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 |
| 22 | 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 |
| 23 | A Research Analysis of Hyperspectral Image Classification | M. Preethi, Dr. C. Velayutham, Dr. S. Arumugaperumal | 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 |
| 24 | Integration of 3-Dimensional Convolutional Network and HMarkov Random Field for Hyperspectral Image Classification | M. Preethi, Dr. C. Velayutham, Dr. S. Arumugaperumal | International Conference on Technological advancements and innovations | International Conference on Technological advancements and innovations | International | 2021 | | Amity University, Tashkent |
| 25 | A spectral-spatial Classification of Hyper Spectral Image using Domain Transform Interpolated Convolution Filter | M. Preethi, Dr. C. Velayutham, Dr. S. Arumugaperumal | International Conference on Pervasive Computing And Social Networking | International Conference on Pervasive Computing And Social Networking | International | March 2022 | | Narasu's Sarathy Institute of Technology, Salem. |
| 26 | 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 |
| 27 | 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 |

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|----|--|---|---|---|---------------|---------------|-------------------|---|
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 | February 2023 | 978-81-962277-1-5 | Muslim Arts College |
| 32 | 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 | February 2023 | - | Navarasam Arts and Science College for Women |
| 33 | 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 |
| 34 | 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 (AICMM 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 | Improved Rough Set Algorithms for Optimal Attribute Reduct | C.Velayutham | Journal of Electronic Science and Technology | Vol. 9, no. 2, pp. 108-117, 2011. | refereed journal | Google Scholar |
| 2 | Fuzzy Rough Feature Selection for Mammogram Classification | C.Velayutham | Journal of Electronic Science and Technology | Vol. 9, no. 2, pp. 124-132, 2011. | refereed journal | Google Scholar |
| 3 | Unsupervised Quick Reduct Algorithm Using Rough Set Theory | C.Velayutham | Journal of Electronic Science and Technology | Vol. 9, no. 3, pp. 193-201, 2011 | refereed journal | Google Scholar |
| 4 | Rough Set Based Unsupervised Feature Selection Using Relative dependency Measures | C.Velayutham | Int.J. Computational Intelligence and Informatics | vol. 1, no. 1, pp. 64-69, 2011 | refereed journal | Scopus, Google Scholar, DBLP |
| 5 | A Novel Feature Extraction Method Using Spectral Shape in Digital mammogram Image | C.Velayutham | IEEE WICT2011 World Congress on Information and Communication Technologies | 2011 | Proceedings 978-1-4673-0125-1 | Scopus, Google Scholar |
| 6 | Unsupervised Feature Selection in Digital Mammogram Image Using Rough Set Based Entropy Measure | C.Velayutham | IEEE WICT2011 World Congress on Information and Communication Technologies | 2011 | Proceedings 978-1-4673-0125-1 | Scopus, Google Scholar |
| 7 | Unsupervised Feature Selection Using Rough Set | C.Velayutham | International Conference on Emerging Trends in Computing (ICETC 2011) | 2011 | Proceedings 978-93-80769-04-2 | Scopus, Google Scholar |
| 8 | Mammogram Image Analysis: Bio-Inspired Computational Approach | C.Velayutham | International Conference on SocProS 2011, AISC 131 | 2011 | Proceedings 978-81-322-0491-6 | Scopus, Google Scholar, DBLP |
| 9 | Unsupervised Feature Selection Based on the Measures of Degree of Dependency using Rough Set Theory in Digital Mammogram Image Classification | C.Velayutham | IEEE- Third International Conference on Advanced Computing, ICoAC 2011 | 2011 | Proceedings 978-1-4673-0671-3 | Scopus, Google Scholar |

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|----|--|--------------|---|------------------------------------|---|------------------------------|
| 10 | Entropy based unsupervised Feature Selection in digital mammogram image using rough set theory | C.Velayutham | Int. J. Computational Biology and Drug Design | Vol. 5, no. 1, pp.16–34, 2012. | refereed journal | Scopus, Google Scholar, DBLP |
| 11 | Mammogram Image Segmentation using Rough Set Theory | C.Velayutham | Int. J. Computational Intelligence and Informatics | Vol. 1, no. 4, pp. 255-261, 2012. | refereed journal | Google Scholar |
| 12 | Unsupervised Feature Selection in Digital Mammogram Image Using Rough Set Theory | C.Velayutham | Int. J. Bioinformatics Research and Applications | Vol. 8, no. 5/6, pp. 436-454, 2012 | refereed journal | Scopus, Google Scholar, DBLP |
| 13 | Rough Set Based Unsupervised Feature Selection in Mammogram Image Classification Using Entropy Measure | C.Velayutham | Journal of Medical Imaging and Health Informatics | Vol. 2, pp. 1–7, 2012 | refereed journal | Scopus, Google Scholar, DBLP |
| 14 | Detection and Elimination of Pectoral Muscle in Mammogram Images using Rough Set Theory | C.Velayutham | IEEE-International Conference On Advances In Engineering, Science And Management (ICAESM -2012) | 2012 | Proceedings 978-81-909042-2-3 | Scopus, Google Scholar |
| 15 | A Novel Entropy Based Unsupervised Feature Selection Algorithm Using Rough Set Theory | C.Velayutham | IEEE-International Conference On Advances In Engineering, Science And Management (ICAESM -2012) | 2012 | Proceedings 978-81-909042-2-3 | Scopus, Google Scholar |
| 16 | Rough Set Based Unsupervised Feature Selection in Digital Mammogram Image Using Entropy Measure | C.Velayutham | IEEE International Conference on Biomedical Engineering (ICoBE-2012), | 2012 | Proceedings 978-4577-1991-2 | Scopus, Google Scholar |
| 17 | Mammogram Image Classification using Rough Neural Network | C.Velayutham | Computational Intelligence, Cyber Security and Computational Models,Advances in Intelligent Systems and Computing | | Proceedings 978-81-322-1680-3_15. © Springer India 2014 | Scopus, Google Scholar, DBLP |

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|----|---|--------------------------|---|----------------------------------|-------------------------------|----------------|
| 18 | Comparative Study of Clustering Algorithms Using Statistical Features Extracted from Mammograms by Spatial Grey Level Dependency Matrix | C.Velayutham | Computing and mathematical modelling | | Proceedings 978-8173197208 | Google Scholar |
| 19 | Performance Study on Segmentation of Mammogram Image Using GLRL Texture Features | C.Velayutham | Computing and mathematical modelling | | Proceedings 978-8173197208 | Google Scholar |
| 20 | Identification of Breast Cancer in Digital Mammogram | C.Velayutham | Computational Mathematics | | Proceedings 978-8173196195 | Google Scholar |
| 21 | Breast Cancer Detection Using Spectral Energy Description Texture Method | C.Velayutham | Computational Mathematics | | Proceedings 978-8173196195 | Google Scholar |
| 22 | Social media networks as Teaching Tool: A survey | C.Velayutham | Social Media - A New Frontier for Business | | Proceedings 978-93-80314-16-7 | Google Scholar |
| 23 | Non-Invasive Electroencephalography Signals Classification using Rough Neural Network | C.Velayutham | International Journal of Computational Biology and Drug Design | Volume 8, No.3, pp.22-225, 2015 | | Scopus |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |

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|----|--|---|--|--|-----------|--------|
| 27 | 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 |
| 28 | 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 |
| 29 | 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 | |
| 30 | Hyperspectral Image Classification based on Statistical Feature Extraction Approach | M. Preethi, Dr. C. Velayutham, Dr. S. Arumugaperumal | Journal of Fundamental & Comparative Research | Vol. VII, No. 11. pp. 51- 62, 2021 | | UGC |
| 31 | Comparative Analysis based on Machine Learning and Deep Learning for Hyperspectral Image Classification | M. Preethi, Dr. C. Velayutham, Dr. S. Arumugaperumal | Design Engineering | Vol. 8, pp. 1760-1768, 2021 | | Scopus |
| 32 | Integration of 3-Dimensional Convolutional Neural Network and Markov Random Field for Hyperspectral Image Classification | M. Preethi, Dr. C. Velayutham, Dr. S. Arumugaperumal, | International Conference on Technological Advancements and Innovations (ICTAI), IEEE Xplore, | 2021 | | Scopus |
| 33 | Feature Extraction of Motor Imagery EEG Data Using Time Domain Statistical Parameters | J. Anila Maily, Dr. C. Velayutham , Dr.M.Mohamed Sathik | Turkish Journal of Computer and Mathematics Education (TURCOMAT) | 2021 | | Scopus |
| 34 | Dimensionality Reduction of Motor Imagery EEG data by Supervised Feature Selection | J. Anila Maily, Dr. C. Velayutham , Dr.M.Mohamed Sathik | International Journal of Mechanical Engineering | Vol 7 No. 1 pp.6996- 7004,2022 | 0974-5823 | Scopus |
| 35 | A Novel RGB Channel Assimilation for Hyperspectral Image Classification Using 3D - Convolutional Neural Network with Bi - Long Short Term Memory | M. Preethi, Dr. C. Velayutham, Dr. S. Arumugaperumal | Seventh Sense Research Groups | Vol. 70, No. 3, pp. 201 - 211, 2022 | | Scopus |
| 36 | Integration of 2-Dimensional Convolutional Neural | M. Preethi, Dr. C. Velayutham, | International Journal of Innovative | Vol. 10, No. 2, pp. 457 - 467, 2021 | | |

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|----|--|--------------------------------------|---|------------------------|-----------|-----|
| | Network and Markov Random Field for Hyperspectral Image Classification | Dr. S. Arumugaperumal | Research in Science, Engineering and Technologies | | | |
| 37 | 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 |
| 38 | 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 |