**Mahatma Gandhi University, Kottayam**

**Faculty Profile**



1. **Name**  Dr. Sajimon Abraham M.C.A, M.Sc (Maths), M.B.A,

 Ph.D (Computer Science)

 Email id :sajimabraham@rediffmail.com

 Mobile : 9446224240

1. **Official Address** Professor in Computer & IT,

 School of Management & Business Studies,

 Mahatma Gandhi University,

 Kottayam, Kerala

Additional Charge Honorary Director,

 University Centre for International Co-operation

 Mahatma Gandhi University,

 Kottayam, Kerala

1. **Research Guideship** School of Computer Sciences,

 Mahatma Gandhi University,

 Kottayam, Kerala

1. Number of Ph.D Produced 6, 9 scholars perusing Ph.D
2. **Specialization for the** Spatio-Temporal Data Mining, Moving Object Databases

**Doctoral Degree**

1. **Current Area of Research** Data Base and Data Mining,

 Spatio-Temporal Trajectory Data Management,

 Web Click stream Analysis,

 Business Analytics and Big Data Management

1. **Number of Publications** 110
2. **Number of Years of Experience:**  30 Years
3. **Overseas Experience** Worked in Royal University of Bhutan under the Technical co-operation scheme of Columbo Plan through Ministry of External Affairs, Govt of India for three years.
4. **Publications**

|  |  |  |
| --- | --- | --- |
| 110 | **Sajimon Abrham, Bilal Sulthan , Efficient ensemble machine learning techniques for early prediction of diphtheria diseases based on clinical data,** International Journal of Advanced Technology and Engineering Exploration (IJATEE), **IJATEE.2021.875402, May 2022** | May 2022 |
| 109 | **Sajimon Abrham, Bilal Sulthan, An Efficient machine learning techniques as soft diagnostic for Tuberculosis classification based on clinical data,** Journal of Scientific Research (JSR), UGC Care Listed | April 2022 |
| 108 | **Sajimon Abrham, Bilal Sulthan , COVID-19 infection Prediction using Efficient Machine Learning Techniques Based on Clinical Data,** Journal of Advances in Information Technology, Scopus Indexed | April 2022 |
| 107 | **Sajimon Abrham, Lumy Joseph, Biju P Mani, Exploring the effectiveness of Learning Path Recommendation based on Fielder-Silverman Learning style model- A learning analysis Intervention Approach**  | March 2022 |
| 106 | Thomas Abraham, Dr Sajimon Abraham, Title: Privacy preserved employee workspace monitoring using Deep Learning, : International Journal of advanced trends in Engineering and Technology, ISBN: 2394-3785, Volume: 9, Issue: 3, March 2022 | March 2022 |
| 105 |  **B Faizal, Sajimon Abraham, , NLP Based Automated Business Report Summarisation , IEEE International Conference on Innovative Trends in IT organized by IIIT, Kottayam, Feb 2022** | Feb 2022 |
| 104 | **Sajimon Abraham , Been Joseph, Analysing Cognitive Process Dimension and Rate of Learning to Identify slow learners in e-learning, IEEE International Conference on Innovative Trends in IT organized by IIIT, Kottayam, Feb 2022** | Feb 2022 |
| 103 | **Sajimon Abraham , V R Jyothis, Sijo Thomas, Benymole Jose, Comparative Analysis of Various Machine Learning Techniques for flood Prediction , IEEE International Conference on Innovative Trends in IT organized by IIIT, Kottayam, Feb 2022** | Feb 2022 |
| 102 | **Sajimon Abraham, V S Praveen Kumar, Nishad A, A proposal for an efficient Business Intelligence tool using Spatio-Temporal and Geo-tag data for strengthening the Decision Support System.** | Dec 2021 |
| 101 | **Sajimon Abraham , Bilal Sulthan Modelling and forecasting Tuberculosis cases using machine learning and deep learning approaches: A Comparative Study, ICDMAI 2022- Conference, . ICDMAI 2022- Conference, Springer Indexed.** | Nov 2021 |
| 100 | **M. Sabu, S. Abraham , Evaluation of leverage effect and spillover effect of Indian broad index Exchange Traded Funds. Accepted for Publication in *Finance India*. Volume 36, ISSN-0970-3772, SCOPUS indexed Journal** | September 2021. |
| 99 | Thomas Abraham, Dr Sajimon Abraham, A Suggestive travel recommender system from geotagged datas using Deep Learning, International Journal of advanced trends in Engineering and Technology, ISBN: 2394-3785, Volume : 8, Special Issue 1, August 2021 | Aug 2021 |
| 98 | Sajimon Abraham, Benymol Jose, Intelligent processing of unstructured textual data in document based NoSQL databases. Elsevier Materials Today Proceedngs June 2021 | June 2021 |
| 97 | N. Rajesh, Abraham Sajimon, S. D. Shyni, Privacy preserved spatio-temporal trajectory publication of Covid-19 patients, Journal of Location Based Services – Taylor & Francis Journal- DOI: [https://doi.org/10.1080/ 17489725.2021.1906965](https://doi.org/10.1080/%2017489725.2021.1906965), Print ISSN: 1748-9725 Online ISSN: 1748-9733, Apr-2021 | April2021 |
| 96 | **\*** **M. Sabu, Dr S. Abraham (June 2020). An Evaluation on ETF Performance and Replication Strategy, *Tathapi.* Volume 19, Issue 31, ISBN-2320-0693, pg: 422-429, UGC CARE listed journal** | June 2020 |
| 95 | Bilal sultan Abdualgalil, Sajimon Abraham. **Tourist Prediction Using Machine Learning Algorithms-, proceeding, ICSG 20** | March 2020 |
| 94 | Bilal sultan Abdualgalil, Sajimon Abraham **. Efficient Machine Learning Algorithms for Knowledge Discovery in Big data: A literature Review** - [http://sersc.org/journals/index.php/IJAST/article/view/12303](https://www.rediffmail.com/cgi-bin/red.cgi?red=http%3A%2F%2Fsersc%2Eorg%2Fjournals%2Findex%2Ephp%2FIJAST%2Farticle%2Fview%2F12303&isImage=0&BlockImage=0&rediffng=0&rogue=20e5e2ae541f1551d9aba40ae6dc26540e2c2a5c&rdf=BSMJalQ5VztUZFJnBjdUclZkBGgKMAdv), International Journal of Advanced Science and Technology Vol. 29, No. 5, (2020), pp. 3880 - 3889 | February 2020 |
| 93 | \*M. Sabu, Dr S. Abraham (January 2020). An Evaluation on ETF Performance and Replication Strategy, Conference Proceedings International Conclave (Globalizing Indian Thought 2020),*Indian Institute of Management Kozhikode (IIMK)*, ISBN-978-81-926239-5-5 | Jan 2020 |
| 92 | \*M. Sabu, Dr S. Abraham (January 2020). An Evaluation on ETF Performance and Replication Strategy, Conference Proceedings International Conclave (Globalizing Indian Thought 2020),*Indian Institute of Management Kozhikode (IIMK)*, ISBN-978-81-926239-5-5 | Jan 2020 |
| 91 | Bilal sultan Abdualgalil, Sajimon Abraham **. Applications of Machine Learning Algorithms and Performance Comparison: A Review**-, Proceedings of 2020 International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE)  [https://ieeexplore.ieee.org/document/9077759](https://www.rediffmail.com/cgi-bin/red.cgi?red=https%3A%2F%2Fieeexplore%2Eieee%2Eorg%2Fdocument%2F9077759&isImage=0&BlockImage=0&rediffng=0&rogue=0169a5ba9701eaa856c072c49bac545d009a2732&rdf=VHIAYwNuBWkGNlxpBDUAJgIwBWkMNlgw) , 978-1-7281-4142-8/S31.00 ©2020 IEEE | January 2020 |
| 90 | M. Sabu, Dr S. Abraham (December 2019). Online Secondary Data Sources for Research in Finance, Academic Publishing (Book Chapter), *SIRA, Kottayam*, ISBN-978-93-85657-207, pg: 85-93 | Dec 2019 |
| 89 | Nishad A., Abraham S. (2019) A Method for Continuous Clustering and Querying of Moving Objects. In: Luhach A., Jat D., Hawari K., Gao XZ., Lingras P. (eds) Advanced Informatics for Computing Research. ICAICR 2019. Communications in Computer and Information Science, vol 1075. Springer, Singapore | OCT 2019 |
| 88 | Nishad, A., and Sajimon Abraham. "SemTraClus: an algorithm for clustering and prioritizing semantic regions of spatio-temporal trajectories." International Journal of Computers and Applications (2019): 1-10. Taylor and Francis <https://doi.org/10.1080/1206212X.2019.1655853> | Sept 2019 |
| 87 | N. Rajesh, Abraham Sajimon, S. D. Shyni, Trajectory Data Publication Through Individualized Sensitive Stay Location Anonymization, Communications in Computer and Information Science(CCIS), pp.79-90,vol 1075. Springer-Book Chapter; DOI: <https://doi.org/10.1007/978-981-15-0108-1_9> , ISBN: 978-981-15-0107-4, Sep-2019 | September 2019 |
| 86 | Nishad, A., and Sajimon Abraham. "SemTraClus: an algorithm for clustering and prioritizing semantic regions of spatio-temporal trajectories." International Journal of Computers and Applications (2019): 1-10. Taylor and Francis <https://doi.org/10.1080/1206212X.2019.1655853> | Sept 2019 |
| 85 | Lumy Joseph, Sajimon Abraham, Adaptive e-Learning System for Slow Learners Based on Felder-Silverman Learning Style Model, Communications in Computer and Information Science (CCIS Series), Volume 1075, (pp. 123-135). Springer, Singapore <https://doi.org/10.1007/978-981-15-0108-1_13>, Book Series  | Sept 2019 |
| 84 | Deepa Mary Mathews, Sajimon Abraham, Social Data Sentiment Analysis of a Multilingual Dataset: A Case Study with Malayalam and English, Communications in Computer and Information Science, vol 1075. Springer, Singapore, Print ISBN 978-981-15-0107-4 | Sept 2019 |
| 83 | Deepa Mary Mathews, Sajimon Abraham, Human Annotation and Interpretation of Public Sentiments about Jio Coin marked in Social Networks using Machine Learning Algorithms, International Journal of Advanced Trends in Computer Science and Engineering, 8(4, 1162 – 1167, ISSN 2278-3091 | Sept 2019 |
| 82 | Deepa Mary Mathews, Sajimon Abraham, Twitter Data Sentiment Analysis on a Malayalam Dataset using Rule based Approach, Advances in Intelligent Systems and Computing, Vol. 906, Springer Nature Singapore (2019), 407-415,Book Series (Scopus Indexed), Print ISBN 978-981-13-6000-8 | Sept 2019 |
| 81 | Rajesh N, Sajimon Abraham ,Trajectory Data publication through individualised sensitive Stay location Anonymisation- Communication IEEE Xplore; pp.233-237, August 2019; DOI: 10.1109/ICCMC.2019.8819707, e-ISBN : 978-1-5386-7808-4ns in Computer and Information Sciences (CCIS),pp79-90,vol 1075, Springer – Book Chapter | Aug 2019 |
| 80 | Rajesh N, Sajimon Abraham ,A Survey on Trajectory Privacy in Participatory Sensing Applications” – IEEE Xplore;233-237, August 2019,e-ISBN: 978-1-5386-7808-4;DOI: [10.1109/ ICCMC.2019.8819707](https://doi.org/10.1109/ICCMC.2019.8819707) | Aug 2019 |
| 79 | Saritha, K., & Abraham, S, “Accuracy Evaluation of prediction using supervised Learning Techniques”, ACM International Conference Proceeding Series(ACM ICPS), ACM August 2019- ISBN- 978-14503-6652-6 | Aug 2019 |
| 78 | Rajesh N, Sajimon Abraham ,Trajectory Data publication through individualised sensitive Stay location Anonymisation- Communication IEEE Xplore; pp.233-237, August 2019; DOI: 10.1109/ICCMC.2019.8819707, e-ISBN : 978-1-5386-7808-4ns in Computer and Information Sciences (CCIS),pp79-90,vol 1075, Springer – Book Chapter | Aug 2019 |
| 77 | Rajesh N, Sajimon Abraham ,A Survey on Trajectory Privacy in Participatory Sensing Applications” – IEEE Xplore;233-237, August 2019,e-ISBN: 978-1-5386-7808-4;DOI: [10.1109/ ICCMC.2019.8819707](https://doi.org/10.1109/ICCMC.2019.8819707) | Aug 2019 |
| 76 | Deepa Mary Mathews, Sajimon Abraham, Lexicon based Document Level Sentiment Analysis on the Multilingual Dataset, Proceedings of the 2nd International Conference on Advanced Computing and Software Engineering (ICACSE-2019), ISBN 978-93-88237-44-4 | Feb 2019 |
| 75 | Lumy Joseph, Sajimon Abraham, A Hybrid Approach to Classify the Learning Style of Learners in an E-Learning Environment, International Journal of Management Technology and Engineering, Volume 8, Issue XII, pg:1124--1130, 2018 | Dec 2018 |
| 74 | Benymol Jose, Sajimon Abraham, Unstructured Data Mining for Customer Relationship Management: A Survey, International Journal of Management Technology and Engineering, Volume 8, Issue XII, pg:1131-1136,  | Dec 2018 |
| 73 | Deepa Mary Mathews, Sajimon Abraham, Sentiment Analysis on Malayalam Language: A Survey, International Journal of Management Technology and Engineering, Volume 8, Issue XII, pg:1046—1054, 2249-7455 | Dec 2018 |
| 72 | Rajesh N, Sajimon Abraham, Personalized Trajectory Anonymization though Sensitive Location points hiding, International Journal of Information Technology-SPRINGER-DOI 10.1007/s41870-018-0261-6, ISSN 2511-2104 | Dec 2018 |
| 71 | Lumy Joseph, Sajimon Abraham, Identifying the Learning Path of Online Learners in an Adaptive E-Learning Environment, International Conference on Next Gen Information Systems and Technologies, Vol.6,Special Issue-6, E-ISSN: 2347-2693 | Jul 2018 |
| 70 | Lumy Joseph, Sajimon Abraham, An adaptive learning frame work for slow learners in an e-learning environment, International Journal of Computer Sciences and Engineering(IJCSE),Volume-6 , Issue-7 ,ISSN: 2347-2693 E-ISSN: 2347-2693 | Jul 2018 |
| 69 | Benymol Jose, Sajimon Abraham, International Conference on Next Gen Information Systems and Technologies, Analysis of Aggregate Functions in Relational Databases and NoSQL Databases, organized by Dept. of Computer Science and Engineering, NSS College of Engineering, Palakkad  | Jul 2018 |
| 68 | Deepa Mary Mathews, Sajimon Abraham, Effects of Pre-processing Phases in Sentiment Analysis for Malayalam Language, International Journal of Computer Sciences and Engineering, ISSN : 23472693 | Jul 2018 |
| 67 | Deepa Mary Mathews, Sajimon Abraham, Opinion Mining on Twitter Data Using Supervised Machine Learning Algorithms, International Journal of Computer Sciences and Engineering, ISSN : 23472693 | Jul 2018 |
| 66 | Saritha, K., & Abraham, S. “Statistical Predictability in Big Data Analytics with Data Partitioning”, International Journal of Computer Sciences and Engineering (IJCSE), Volume-06, Special Issue-06, Jul 2018, ISSN: 2347-2693 | Jul 2018 |
| 65 | Rajesh N, Sajimon Abraham, Trajectory Anonymization through Generalization of Significant Location points hiding, International Journal of Computer Sciences and Engineering(IJCSE),Volume-6 , Issue-6, E-ISSN: 2347-2693 | Jul 2018 |
| 64 | Nishad A, Sajimon Abraham, Semantic Aware Method to find Points of Interest from the GPS traces of Moving Objects ,International Conference on Information technology and Digital applications (ICITDA 2018) on 6th and 7th April 2018,Proceedings in Journal of Analysis and Computation (JAC), ISSN 0973-2861 | Apr-2018 |
| 63 | Deepa Mary Mathews, Sajimon Abraham, Pre-processing the Sentiments of the Social Users’ expressed in Malayalam Language, International Conference On Sustainable Advance Computing ( ICSAC 2018). | Mar-2018 |
| 62 | Benymol Jose, Sajimon Abraham, Query Performance Analysis in NoSQL and Relational Databases: MongoDB Vs MySQL, First International Conference on Computer Vision, Networks and Informatics (Supported By UGC), Gandhigram Rural Institute, Gandhigram. | Mar-2018 |
| 61 | Nishad A, Sajimon Abraham, Spatio Temporal Customer Analysis of Bigdata Generated from GPS traces of moving objects for personalized Customer Relationship Management ,Rajagiri Management Journal,ISSN-972-9968 | Dec-2017 |
| 60 |  Sajimon Abraham, Sabu Augustine; Technological Changes in Supply Chain Management using RFID Technology, Consortia SMBS MGU Journal of Management vol.3No.1, July – December 2017 | Dec2017 |
| 59 | Sabu Augustine, M.S Samuel and Sajimon Abraham; Sequencing of RFID Tag Movements in Supply Chain using Dynamic Programming Techniques. Indian Journal of Mathematics and Mathematical Sciences, July – Dec.2017, pp 345-356 | Dec2017 |
| 58 | Nishad A, Sajimon Abraham, Analysis of Moving Object Trajectory; A paradigm shift in Mining of Bigdata ,Deep Neural Networks In Bio Informatics, M.E.S College Marampally,ISSN 2320-6985 | Aug-2017 |
| 57 | Nishad A, Sajimon Abraham, Spatio Temporal Analysis of Moving Objects in Supply Chain Networks using Semantic Clustering, International Journal of Research in Engineering and Applied Sciences (IJREAS), ISSN(O): 2249-3905, ISSN(P) : 2349-6525 | Jul-2017 |
| 56 | Nishad A, Sajimon Abraham, Semantic Trajectory Analysis for Identifying Locations of Interest of Moving Objects, IEEE conference Proceedings of the International conference on Networks and Advances in Computational technologies-NetAct17 | Jul-2017 |
| 55 | Lumy Joseph, Sajimon Abraham, Significance of Web-Enabled Psychometric Testing Tools for Health Care Management, Deep Neural Networks in Bioinformatics,23-24 August,2017,ISSN 2320-6985 | Aug-2017 |
| 54 | Benymol Jose, Sajimon Abraham, Exploring the storage issues related with Supply Chain Data in Mining knowledge: A NoSQL Perspective, Two day State Level Conference on Deep Neural Networks in Bioinformatics,, ISSN:2320-6985 | Aug-2017 |
| 53 | Deepa Mary Mathews, Sajimon Abraham, Analysis of Customer Feelings Using Gender Aspect and Sentiments, Two day State Level Conference on Deep Neural Networks in Bioinformatics,23,24 August 2017,ISSN:2320-6985 | Aug-2017 |
| 52 | Rajesh N, Sajimon Abraham, Big Data Handling using In-Memory and Cloud Computing Approaches, Two-day State level Conference on Deep Neural Networks in Bioinformatics – In association with FORTIS( Forum for Interdisciplinary Studies, ISSN 2320-6985 | Aug-2017 |
| 51 | Rajesh N, Sajimon Abraham, Privacy Preserved Methods and Anonymization Approaches For Moving Object Trajectories, Two-day State level Conference on Deep Neural Networks in Bioinformatics – In association with FORTIS( Forum for Interdisciplinary Studies, ISSN 2320-6985 | Aug-2017 |
| 50 | Rajesh N, Sajimon Abraham, Privacy preserved approach for Trajectory Anonymization through Zone creation for halting points, IEEE conference Proceedings of the International conference on Networks and Advances in Computational technologies-NetAct17,20-22 July 2017 | Jul-2017 |
| 49 | Deepa Mary Mathews, Sajimon Abraham, Analytic Thinking of Patients’ Viewpoints Pertain to Spa Treatment, IEEE conference Proceedings of the International conference on Networks and Advances in Computational technologies-NetAct17. | Jul-2017 |
| 48 | Lumy Joseph, Sajimon Abraham, Instructional Design for Learning Path Identification in an E-learning Environment using Felder-Silverman Learning Styles Model, IEEE conference Proceedings of the International conference on Networks and Advances in Computational technologies-NetAct17,20-22 July 2017 | Jul-2017 |
| 47 | Lumy Joseph, Sajimon Abraham, Instructional Design for Learning Path Identification in an E-learning Environment using Felder-Silverman Learning Styles Model, IEEE conference Proceedings of the International conference on Networks and Advances in Computational technologies-NetAct17,20-22 July 2017 | Jul-2017 |
| 46 | Benymol Jose, Sajimon Abraham, Exploring the merits of NoSQL: A study Based on MongoDB, IEEE Conference International Conference on Networks & Advances in Computational Technologies. | Jul-2017 |
| 45 | Saritha, K., & Abraham, S. “Big Data Challenges and Issues: Review on Analytic Techniques”. Indian Journal of Computer Science and Engineering (IJCSE) Vol. 8 No. 3, p-ISSN : 2231-3850, e-ISSN: 0976-5166, (UGC Approved) | Jul 2017 |
| 44 | Sajimon Abraham, Sabu Augustine; Revolutionary Changes in Supply Chain Management using RFID Technology, Consortia smbs mgu journal of management vol.3No.2 | Jun2017 |
| 43 | Deepa Mary Mathews, Sajimon Abraham, Extraction and Evaluation of Patients’ Standpoints Pertaining to Ayurvedic Health Treatment, International Journal of Research in Engineering and Applied Sciences.ISSN(O): 2249-3905 | May-2017 |
| 42 | Benymol Jose, Sajimon Abraham, Big Data Analytics: A NoSQL Perspective to mine knowledge from Supply Chain Data, International Conference on Science, Engineering, Technology and Management. | Mar-2017 |
| 41 | Deepa Mary Mathews, Sajimon Abraham, Sexual Category Feature Extraction of Sentiments about Ayurvedic Health Treatment, International Conference on Current Trends in Engineering, Science and Technology ICCTEST - 2017,5-7 Jan , 2017,ISBN: 978-81-931119-5-6 | Jan-2017 |
| 40 | Lumy Joseph, Sajimon Abraham, Role of Algorithms in Computer Technology, E-learning Instructional Designs for Short Learning Objects,ISBN 978-93-80419-29-9 | Jan-2017 |
| 39 | Lumy Joseph, Sajimon Abraham, Web- Based Psychometric Testing Tool for Identifying Patient’s Genetic Variations in Health-Care Management,29th Kerala Science Congress, Mar Thoma College, Thiruvalla, ISBN 81-86366-93-98 | Jan-2017 |
| 38 | Lumy Joseph, Sajimon Abraham, Role of Algorithms in Computer Technology, E-learning Instructional Designs for Short Learning Objects,ISBN 978-93-80419-29-9 | Jan-2017 |
| 37 | Lumy Joseph, Sajimon Abraham, Web- Based Psychometric Testing Tool for Identifying Patient’s Genetic Variations in Health-Care Management,29th Kerala Science Congress, Mar Thoma College, Thiruvalla, ISBN 81-86366-93-98 | Jan-2017 |
| 36 | Benymol Jose, Sajimon Abraham, Some unstructured Data Mining Methods to Mine Knowledge from Supply Chain Data: A NoSQL perspective, International conference on Best Practices in Supply Chain Management,22,23 December 2016. | Dec-2016 |
| 35 | Sajimon Abraham, Lumy Joseph,“Role of Cloud Computing in Educational Data Mining” Published in the U.G.C sponsored National Conference Proceedings organized by M.E.S College, Nedumkandam. | Oct2015 |
| 34 | Saritha K, Sajimon Abraham, Big Data Challenges in Supply Chain: Review on Analysis Techniques Using Statistical Methods and Machine Learning, International conference on Best Practices in Supply Chain Management. | Dec-2016 |
| 33 | Nishad A, Sajimon Abraham, Spatio Temporal Tracking an augmented tool for Supply Chain Management, International conference on Best Practices in Supply Chain Management. | Dec-2016 |
| 32 | Nishad A, Sajimon Abraham, Big Data Management: A Survey with special focus on Moving Objects, National Conference on Research Issues in Bigdata. | Sep-2015 |
| 31 | Rajesh N, Sajimon Abraham, A Privacy Preserved Approach for Publishing Trajectory data, Proceedings of the National Conference on Business Models(NCBM 2016)- Business models for startups and Small Firms, ISBN 978-93-5258-523-6 | Feb-2016 |
| 30 | Rajesh N, Sajimon Abraham, Privacy Preservation of Big Data in Cloud Environment, Research Journal of Misbah-Niche of Knowledge, 2015 November Special edition, Book No 15, Vol 15, ISSN 0976-2523 | Nov-2015 |
| 29 | Rajesh N, Sajimon Abraham ,Big Data Analytics using R, Proceedings of the UGC National Seminar- Recent Advances in Statistical theory and Computational Techniques, ISBN 978-81-920273-0-4 | Feb-2015 |
| 28 | Sabu Augustine and Sajimon Abraham, RFID Data Management in Supply Chain using Mathematical Encoding Schemes; Proceedings of the National Seminar on Mathematical Models and Methods in Applied Sciences (M3AS), November; Kerala; India; 2015; pp. 63-72 | Nov2015 |
| 27 | Sabu Augustine and Sajimon Abraham, Storage Optimization of RFID tag database using Path Encoding Scheme; Proceedings of the National Seminar on The Role of Geometry in Mathematics, March 2016, Kerala, India. | Mar2016 |
| 26 | Sabu Augustine, M.S Samuel and Sajimon Abraham, Similarity Search For Trajectory of RFID Tags In Supply Chain Traffic, International Journal of Database Management Systems Vol.8; No.3; June 2016 pp 211-224. | Jun2016 |
| 25 | Sabu Augustine, M.S. Samuel and Sajimon Abraham; Revolutionary Changes in Supply Chain Management, National Seminar on Logistics and Supply Chain Management (LOSCAM), Kerala, India. | Nov2016 |
| 24 | Sabu Augustine, M.S Samuel and Sajimon Abraham.; Location Sequencing Of RFID Tag Movements in Supply Chain Using Dynamic Programming; International Journal of Math. Sci. &Engg. Appls.; Vol.10 No.III.; December, 2016.; pp 159-172. | Dec2016 |
| 23 | Sabu Augustine, M.S. Samuel and Sajimon Abraham; RFID Technology for making Revolutionary Changes in Supply Chain Management; International Conference on Best Practices in SCM, December 2016, Trivandrum, Kerala, India. | Dec2016 |
| 22 | Sajimon Abraham , “Electronic and Digital Learning Possibilities in Digital India” in the Proceedings of the “International conference on understanding India” jointly organized by Rajeev Gandhi Chair , Inter University Centre for Chinese Studies and University Centre for International Co-operation, M.G University in February 2016. | Feb2016 |
| 21 | Sajimon Abraham, Sojan Lal, P. Spatio-Temporal Similarity of Network-Constrained Moving Object Trajectories using Sequence Alignment of Travel Locations, In Transportation Research Part C: Emerging Technologies. Special Issue on Data Management in Vehicular Networks, Science Direct, Transportation Research Part C, Journal at Elsevier, 2012.  | 2012 |
| 20 | Sajimon Abraham. and Sojan Lal, P. Spatio-Temporal Similarity of Web User Session Trajectories with Applications to Dark Web Environment. In the Proceedings of IEEE Asia Pacific Workshop on Intelligence and Security Informatics (PAISI 11), Springer-Verlang Series of Lecture notes in Computer Science, (LNCS), ISBN : 978-3-642-22038-8, Vol, 6749 , Beijing , China, 2011,1-10. ***Won the second best paper award*** | 2011 |
| 19 | Sajimon Abraham. And Sojan Lal, P. Spatio-Temporal Queries and Triggers in Moving Object Databases with Advantageous of Dimension Reduction. In the Book on Communication and Computing, School of Computer Sciences, Mahatma Gandhi University, Kottayam***. Won the second best paper award*** | 2011 |
| 18 | Sajimon Abraham and Sojan Lal, P.WEBTRACLUS – A Spatio-Temporal Trajectory Clustering Tool for Personalization in Healthcare Web Portals. In Proceedings of ACM PETRA held at Greece, 2011. | 2011 |
| 17 | Sajimon Abraham. And Sojan Lal, P. Trajectory Clustering of Network Constrained Moving Objects and Applications to Web Usage Mining. In the Interdisciplinary Journal Accuman, Marian College, Kuttikkanam, ISBN 0975-6981. | 2011 |
| 16 | Sajimon Abraham. And SojanLal, P. Trajectory Similarity of Network Constrained Moving Objects. In Proceedings of International Workshop on Intelligence and Security Informatics (PAISI10), Springer-Verlang Series of Lecture notes in Computer Science(LNCS), ISBN:978-3-642-13600-9, Vol 6122, Hyderabad, 181-192.  | 2010 |
| 15 | Sajimon Abraham. And SojanLal, P. Online security alarming scheme for Moving Objects on Road Networks, published in the Interdisciplinary Journal Accuman, Marian College, Kuttikkanam, 2009. | 2009 |
| 14 | Sajimon Abraham, P. SojanLal, A survey on modeling of moving objects on road networks, International conference on Data Engineering and Management, (ICDEM-2008), Track: Data Security and Networking, 9th February, 2008, Tiruchirappali, Tamil Nadu, India. | Feb2008 |
| 13 | Sajimon Abraham, P. SojanLal, Modeling and querying of current movements in Moving Object Databases, National Seminar on Data Mining Techniques and Applications, Sponsored by UGC and Co-sponsored by Mahatma Gandhi University, March 16-17, 2007 at Marian College, Kuttikkanam, Kerala, India.  | Mar2007 |
| 12 | Sajimon Abraham, P. SojanLal, Moving object databases for location awareness services, First International conference on business GIS, Organized by GIS Engineers Society (Affiliated to the Indian Cultural Centre, under the aegis of the Indian Embassy, Qatar)in association with Department of Geology, University of Kerala, India and Technopark, Trivandrum, Kerala, India. 7-8th December 2006 at Technopark, Trivandrum, Kerala, India. | Dec2006 |
| 11 | Spatio-Temporal Trajectory Similarity and Applications in Mining Tourist Mobility’’, International Journal of Tourism and Travel, ISSN NO. 0974-2603, Vol.5, Jan 2012 | Jan2012 |
| 10 | Sajimon Abraham, “Spatio-Temporal Trajectory Similarity and Applications in Mining Tourist Mobility"1st International Conference on Tourism & Technology 2011" (Banking & Insurance Sectors Involvement) - Key Focus On Next Generation Technology Solutions, IIT Campus, New Delhi, July 07 - 09, 2011 | July2011 |
| 9 | Sajimon Abraham, “Mobility Mining Techniques for Big Data Analysis in Supply Chain Traffic”, 3rd IIMA International Conference on Advanced Data Analysis, Business Analytics and Intelligence, IIM Ahmedabad | Apr2013 |
| 8 | Sajimon Abraham, P. SojanLal, A survey on modeling of moving objects on road networks, International conference on Data Engineering and Management, (ICDEM-2008), Track: Data Security and Networking, Tiruchirappali, Tamil Nadu, India. | Feb2008 |
| 7 | Sajimon Abraham, P. SojanLal, Moving object databases for location awareness services, First International conference on business GIS, Organized by GIS Engineers Society (Affiliated to the Indian Cultural Centre, under the aegis of the Indian Embassy, Qatar) in association with Department of Geology, University of Kerala, India and Technopark, Trivandrum, Kerala, India.  | Dec2006 |
| 6 | Sajimon Abraham, P. SojanLal, Modelling and querying of current movements in Moving Object Databases, National Seminar on Data Mining Techniques and Applications, Sponsored by UGC and Co-sponsored by Mahatma Gandhi University, March 16-17, 2007 at Marian College, Kuttikkanam, Kerala, India.  | 2007 |
| 5 | Sajimon Abraham, P Sojan Lal “Spatio-Temporal Trajectory Similarity and Applications in Mining Tourist Mobility"1st International Conference on Tourism & Technology 2011" (Banking & Insurance Sectors Involvement) - Key Focus On Next Generation Technology Solutions, IIT Campus, New Delhi, July 07 - 09, 2011 | 2011 |
| 4 | Sajimon Abraham, P Sojan Lal“Mobility Mining Techniques for Big Data Analysis in Supply Chain Traffic”, 3rd IIMA International Conference on Advanced Data Analysis, Business Analytics and Intelligence, IIM Ahmedabad | April2013 |
| 3 | Sajimon Abraham, P Sojan Lal “Spatio-Temporal Trajectory Similarity and Applications in Mining Tourist Mobility’’, International Journal of Tourism and Travel, ISSN NO. 0974-2603, Vol.5, January 2012 | Jan2012 |
| 2 | Sajimon Abraham, P Sojan Lal “Optimization techniques in RFID data management in Supply Chain”, International Journal of Computer Applications. | 2014 |
| 1 | Sajimon Abraham, Rajesh N “Big data analysis using in-memory techniques” published in the proceeding of the National Seminar on Computing and Communications held at Sri Bhudha College, Pattoor, March 2014. | Mar2014 |

|  |  |  |
| --- | --- | --- |
| 1 | Sajimon Abraham, Rajesh N, Sjyni S Das, Privacy preserved spatio-temporal trajectory publication of Covid-19 patients, Journal of Location Based Services, Tylor and Francis, [https://doi.org/10.1080/17489725.2021. 1906965](https://doi.org/10.1080/17489725.2021.%201906965) | April 2021 |
| 1 | Nishad, A., and Sajimon Abraham. "SemTraClus: an algorithm for clustering and prioritizing semantic regions of spatio-temporal trajectories." International Journal of Computers and Applications (2019): 1-10. Taylor and Francis <https://doi.org/10.1080/1206212X.2019.1655853> | Sept 2019 |
| 2 | Rajesh N, Sajimon Abraham ,Trajectory Data publication through individualised sensitive Stay location Anonymisation- Communication IEEE Xplore; pp.233-237, August 2019; DOI: 10.1109/ICCMC.2019.8819707, e-ISBN : 978-1-5386-7808-4ns in Computer and Information Sciences (CCIS),pp79-90,vol 1075, Springer – Book Chapter | Aug 2019 |
| 3 | Rajesh N, Sajimon Abraham ,A Survey on Trajectory Privacy in Participatory Sensing Applications” – IEEE Xplore;233-237, August 2019,e-ISBN: 978-1-5386-7808-4;DOI: [10.1109/ ICCMC.2019.8819707](https://doi.org/10.1109/ICCMC.2019.8819707) | Aug 2019 |
| 4 | Deepa Mary Mathews, Sajimon Abraham, Human Annotation and Interpretation of Public Sentiments about Jio Coin marked in Social Networks using Machine Learning Algorithms, International Journal of Advanced Trends in Computer Science and Engineering, 8(4, 1162 – 1167, ISSN 2278-3091 | Sept 2019 |
| 5 | Deepa Mary Mathews, Sajimon Abraham, Twitter Data Sentiment Analysis on a Malayalam Dataset using Rule based Approach, Advances in Intelligent Systems and Computing, Vol. 906, Springer Nature Singapore (2019), 407-415,Book Series (Scopus Indexed), Print ISBN 978-981-13-6000-8 | Sept 2019 |
| 6 | Deepa Mary Mathews, Sajimon Abraham, Lexicon based Document Level Sentiment Analysis on the Multilingual Dataset, Proceedings of the 2nd International Conference on Advanced Computing and Software Engineering (ICACSE-2019), ISBN 978-93-88237-44-4 | Feb 2019 |
| 7 | Bilal sultan Abdualgalil, Sajimon Abraham. **Tourist Prediction Using Machine Learning Algorithms-, proceeding, ICSG 20** | March 2020 |
| 8 | Bilal sultan Abdualgalil, Sajimon Abraham **. Applications of Machine Learning Algorithms and Performance Comparison: A Review**-, Proceedings of 2020 International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE)  [https://ieeexplore.ieee.org/document/9077759](https://www.rediffmail.com/cgi-bin/red.cgi?red=https%3A%2F%2Fieeexplore%2Eieee%2Eorg%2Fdocument%2F9077759&isImage=0&BlockImage=0&rediffng=0&rogue=0169a5ba9701eaa856c072c49bac545d009a2732&rdf=VHIAYwNuBWkGNlxpBDUAJgIwBWkMNlgw) , 978-1-7281-4142-8/S31.00 ©2020 IEEE | January 2020 |
| 9 | Bilal sultan Abdualgalil, Sajimon Abraham **. Efficient Machine Learning Algorithms for Knowledge Discovery in Big data: A literature Review** - [http://sersc.org/journals/index.php/IJAST/article/view/12303](https://www.rediffmail.com/cgi-bin/red.cgi?red=http%3A%2F%2Fsersc%2Eorg%2Fjournals%2Findex%2Ephp%2FIJAST%2Farticle%2Fview%2F12303&isImage=0&BlockImage=0&rediffng=0&rogue=20e5e2ae541f1551d9aba40ae6dc26540e2c2a5c&rdf=BSMJalQ5VztUZFJnBjdUclZkBGgKMAdv), International Journal of Advanced Science and Technology Vol. 29, No. 5, (2020), pp. 3880 - 3889 | February 2020 |
| 10 | Lumy Joseph, Sajimon Abraham, Adaptive e-Learning System for Slow Learners Based on Felder-Silverman Learning Style Model, Communications in Computer and Information Science (CCIS Series), Volume 1075, (pp. 123-135). Springer, Singapore <https://doi.org/10.1007/978-981-15-0108-1_13>, Book Series  | Sept 2019 |
| 11 | Lumy Joseph, Sajimon Abraham, A Hybrid Approach to Classify the Learning Style of Learners in an E-Learning Environment, International Journal of Management Technology and Engineering, Volume 8, Issue XII, pg:1124--1130, 2018 | Dec 2018 |
| 12 | Lumy Joseph, Sajimon Abraham, Identifying the Learning Path of Online Learners in an Adaptive E-Learning Environment, International Conference on Next Gen Information Systems and Technologies, Vol.6,Special Issue-6, E-ISSN: 2347-2693 | Jul 2018 |
| 13 | Lumy Joseph, Sajimon Abraham, An adaptive learning frame work for slow learners in an e-learning environment, International Journal of Computer Sciences and Engineering(IJCSE),Volume-6 , Issue-7 ,ISSN: 2347-2693 E-ISSN: 2347-2693 | Jul 2018 |
| 14 | Lumy Joseph, Sajimon Abraham, Significance of Web-Enabled Psychometric Testing Tools for Health Care Management, Deep Neural Networks in Bioinformatics,23-24 August,2017,ISSN 2320-6985 | Aug-2017 |
| 15 | Lumy Joseph, Sajimon Abraham, Instructional Design for Learning Path Identification in an E-learning Environment using Felder-Silverman Learning Styles Model, IEEE conference Proceedings of the International conference on Networks and Advances in Computational technologies-NetAct17,20-22 July 2017 | Jul-2017 |
| 16 | Lumy Joseph, Sajimon Abraham, Role of Algorithms in Computer Technology, E-learning Instructional Designs for Short Learning Objects,ISBN 978-93-80419-29-9 | Jan-2017 |
| 17 | Lumy Joseph, Sajimon Abraham, Web- Based Psychometric Testing Tool for Identifying Patient’s Genetic Variations in Health-Care Management,29th Kerala Science Congress, Mar Thoma College, Thiruvalla, ISBN 81-86366-93-98 | Jan-2017 |
| 18 | Benymol Jose, Sajimon Abraham, Unstructured Data Mining for Customer Relationship Management: A Survey, International Journal of Management Technology and Engineering, Volume 8, Issue XII, pg:1131-1136,  | Dec 2018 |
| 19 | Benymol Jose, Sajimon Abraham, International Conference on Next Gen Information Systems and Technologies, Analysis of Aggregate Functions in Relational Databases and NoSQL Databases, organized by Dept. of Computer Science and Engineering, NSS College of Engineering, Palakkad  | Jul 2018 |
| 20 | Benymol Jose, Sajimon Abraham, Query Performance Analysis in NoSQL and Relational Databases: MongoDB Vs MySQL, First International Conference on Computer Vision, Networks and Informatics (Supported By UGC), Gandhigram Rural Institute, Gandhigram. | Mar-2018 |
| 21 | Benymol Jose, Sajimon Abraham, Exploring the storage issues related with Supply Chain Data in Mining knowledge: A NoSQL Perspective, Two day State Level Conference on Deep Neural Networks in Bioinformatics,, ISSN:2320-6985 | Aug-2017 |
| 22 | Benymol Jose, Sajimon Abraham, Exploring the merits of NoSQL: A study Based on MongoDB, IEEE Conference International Conference on Networks & Advances in Computational Technologies. | Jul-2017 |
| 23 | Benymol Jose, Sajimon Abraham, Big Data Analytics: A NoSQL Perspective to mine knowledge from Supply Chain Data, International Conference on Science, Engineering, Technology and Management. | Mar-2017 |
| 24 | Benymol Jose, Sajimon Abraham, Some unstructured Data Mining Methods to Mine Knowledge from Supply Chain Data: A NoSQL perspective, International conference on Best Practices in Supply Chain Management,22,23 December 2016. | Dec-2016 |
| 25 | Deepa Mary Mathews, Sajimon Abraham, Social Data Sentiment Analysis of a Multilingual Dataset: A Case Study with Malayalam and English, Communications in Computer and Information Science, vol 1075. Springer, Singapore, Print ISBN 978-981-15-0107-4 | Sept 2019 |
| 26 | Deepa Mary Mathews, Sajimon Abraham, Human Annotation and Interpretation of Public Sentiments about Jio Coin marked in Social Networks using Machine Learning Algorithms, International Journal of Advanced Trends in Computer Science and Engineering, 8(4, 1162 – 1167, ISSN 2278-3091 | Sept 2019 |
| 27 | Deepa Mary Mathews, Sajimon Abraham, Twitter Data Sentiment Analysis on a Malayalam Dataset using Rule based Approach, Advances in Intelligent Systems and Computing, Vol. 906, Springer Nature Singapore (2019), 407-415,Book Series (Scopus Indexed), Print ISBN 978-981-13-6000-8 | Sept 2019 |
| 28 | Deepa Mary Mathews, Sajimon Abraham, Lexicon based Document Level Sentiment Analysis on the Multilingual Dataset, Proceedings of the 2nd International Conference on Advanced Computing and Software Engineering (ICACSE-2019), ISBN 978-93-88237-44-4 | Feb 2019 |
| 29 | Deepa Mary Mathews, Sajimon Abraham, Sentiment Analysis on Malayalam Language: A Survey, International Journal of Management Technology and Engineering, Volume 8, Issue XII, pg:1046—1054, 2249-7455 | Dec 2018 |
| 30 | Deepa Mary Mathews, Sajimon Abraham, Effects of Pre-processing Phases in Sentiment Analysis for Malayalam Language, International Journal of Computer Sciences and Engineering, ISSN : 23472693 | Jul 2018 |
| 31 | Deepa Mary Mathews, Sajimon Abraham, Opinion Mining on Twitter Data Using Supervised Machine Learning Algorithms, International Journal of Computer Sciences and Engineering, ISSN : 23472693 | Jul 2018 |
| 32 | Deepa Mary Mathews, Sajimon Abraham, Pre-processing the Sentiments of the Social Users’ expressed in Malayalam Language, International Conference On Sustainable Advance Computing ( ICSAC 2018). | Mar-2018 |
| 33 | Deepa Mary Mathews, Sajimon Abraham, Analysis of Customer Feelings Using Gender Aspect and Sentiments, Two day State Level Conference on Deep Neural Networks in Bioinformatics,23,24 August 2017,ISSN:2320-6985 | Aug-2017 |
| 34 | Deepa Mary Mathews, Sajimon Abraham, Analytic Thinking of Patients’ Viewpoints Pertain to Spa Treatment, IEEE conference Proceedings of the International conference on Networks and Advances in Computational technologies-NetAct17. | Jul-2017 |
| 35 | Deepa Mary Mathews, Sajimon Abraham, Extraction and Evaluation of Patients’ Standpoints Pertaining to Ayurvedic Health Treatment, International Journal of Research in Engineering and Applied Sciences.ISSN(O): 2249-3905 | May-2017 |
| 36 | Deepa Mary Mathews, Sajimon Abraham, Sexual Category Feature Extraction of Sentiments about Ayurvedic Health Treatment, International Conference on Current Trends in Engineering, Science and Technology ICCTEST - 2017,5-7 Jan , 2017,ISBN: 978-81-931119-5-6 | Jan-2017 |
| 37 | Saritha, K., & Abraham, S, “Accuracy Evaluation of prediction using supervised Learning Techniques”, ACM International Conference Proceeding Series(ACM ICPS), ACM August 2019- ISBN- 978-14503-6652-6 | Aug 2019 |
| 38 | Saritha, K., & Abraham, S. “Statistical Predictability in Big Data Analytics with Data Partitioning”, International Journal of Computer Sciences and Engineering (IJCSE), Volume-06, Special Issue-06, Jul 2018, ISSN: 2347-2693 | Jul 2018 |
| 39 | Saritha, K., & Abraham, S. “Big Data Challenges and Issues: Review on Analytic Techniques”. Indian Journal of Computer Science and Engineering (IJCSE) Vol. 8 No. 3, p-ISSN : 2231-3850, e-ISSN: 0976-5166, (UGC Approved) | Jul 2017 |
| 40 | Saritha K, Sajimon Abraham, Prediction with Partitioning: Big Data Analytics Using Regression Techniques, IEEE conference Proceedings of the International conference on Networks and Advances in Computational technologies-NetAct17,20-22 July 2017 | Jul-2017 |
| 41 | Sajimon Abraham, Lumy Joseph,“Role of Cloud Computing in Educational Data Mining” Published in the U.G.C sponsored National Conference Proceedings organized by M.E.S College, Nedumkandam. | Oct2015 |
| 42 | Saritha K, Sajimon Abraham, Big Data Challenges in Supply Chain: Review on Analysis Techniques Using Statistical Methods and Machine Learning, International conference on Best Practices in Supply Chain Management. | Dec-2016 |
| 43 | Nishad A., Abraham S. (2019) A Method for Continuous Clustering and Querying of Moving Objects. In: Luhach A., Jat D., Hawari K., Gao XZ., Lingras P. (eds) Advanced Informatics for Computing Research. ICAICR 2019. Communications in Computer and Information Science, vol 1075. Springer, Singapore | OCT 2019 |
| 44 | Nishad, A., and Sajimon Abraham. "SemTraClus: an algorithm for clustering and prioritizing semantic regions of spatio-temporal trajectories." International Journal of Computers and Applications (2019): 1-10. Taylor and Francis <https://doi.org/10.1080/1206212X.2019.1655853> | Sept 2019 |
| 45 | Nishad A, Sajimon Abraham, Semantic Aware Method to find Points of Interest from the GPS traces of Moving Objects ,International Conference on Information technology and Digital applications (ICITDA 2018) on 6th and 7th April 2018,Proceedings in Journal of Analysis and Computation (JAC), ISSN 0973-2861 | Apr-2018 |
| 46 | Nishad A, Sajimon Abraham, Spatio Temporal Customer Analysis of Bigdata Generated from GPS traces of moving objects for personalized Customer Relationship Management ,Rajagiri Management Journal,ISSN-972-9968 | Dec-2017 |
| 47 | Nishad A, Sajimon Abraham, Analysis of Moving Object Trajectory; A paradigm shift in Mining of Bigdata ,Deep Neural Networks In Bio Informatics, M.E.S College Marampally,ISSN 2320-6985 | Aug-2017 |
| 48 | Nishad A, Sajimon Abraham, Spatio Temporal Analysis of Moving Objects in Supply Chain Networks using Semantic Clustering, International Journal of Research in Engineering and Applied Sciences (IJREAS), ISSN(O): 2249-3905, ISSN(P) : 2349-6525 | Jul-2017 |
| 49 | Nishad A, Sajimon Abraham, Semantic Trajectory Analysis for Identifying Locations of Interest of Moving Objects, IEEE conference Proceedings of the International conference on Networks and Advances in Computational technologies-NetAct17 | Jul-2017 |
| 50 | Nishad A, Sajimon Abraham, Spatio Temporal Tracking an augmented tool for Supply Chain Management, International conference on Best Practices in Supply Chain Management. | Dec-2016 |
| 51 | Nishad A, Sajimon Abraham, Big Data Management: A Survey with special focus on Moving Objects, National Conference on Research Issues in Bigdata. | Sep-2015 |
| 52 | Rajesh N, Sajimon Abraham ,Trajectory Data publication through individualised sensitive Stay location Anonymisation- Communication IEEE Xplore; pp.233-237, August 2019; DOI: 10.1109/ICCMC.2019.8819707, e-ISBN : 978-1-5386-7808-4ns in Computer and Information Sciences (CCIS),pp79-90,vol 1075, Springer – Book Chapter | Aug 2019 |
| 53 | Rajesh N, Sajimon Abraham ,A Survey on Trajectory Privacy in Participatory Sensing Applications” – IEEE Xplore;233-237, August 2019,e-ISBN: 978-1-5386-7808-4;DOI: [10.1109/ ICCMC.2019.8819707](https://doi.org/10.1109/ICCMC.2019.8819707) | Aug 2019 |
| 54 | Rajesh N, Sajimon Abraham, Personalized Trajectory Anonymization though Sensitive Location points hiding, International Journal of Information Technology-SPRINGER-DOI 10.1007/s41870-018-0261-6, ISSN 2511-2104 | Dec 2018 |
| 55 | Rajesh N, Sajimon Abraham, Trajectory Anonymization through Generalization of Significant Location points hiding, International Journal of Computer Sciences and Engineering(IJCSE),Volume-6 , Issue-6, E-ISSN: 2347-2693 | Jul 2018 |
| 56 | Rajesh N, Sajimon Abraham, Big Data Handling using In-Memory and Cloud Computing Approaches, Two-day State level Conference on Deep Neural Networks in Bioinformatics – In association with FORTIS( Forum for Interdisciplinary Studies, ISSN 2320-6985 | Aug-2017 |
| 57 | Rajesh N, Sajimon Abraham, Privacy Preserved Methods and Anonymization Approaches For Moving Object Trajectories, Two-day State level Conference on Deep Neural Networks in Bioinformatics – In association with FORTIS( Forum for Interdisciplinary Studies, ISSN 2320-6985 | Aug-2017 |
| 58 | Rajesh N, Sajimon Abraham, Privacy preserved approach for Trajectory Anonymization through Zone creation for halting points, IEEE conference Proceedings of the International conference on Networks and Advances in Computational technologies-NetAct17,20-22 July 2017 | Jul-2017 |
| 59 | Rajesh N, Sajimon Abraham, A Privacy Preserved Approach for Publishing Trajectory data, Proceedings of the National Conference on Business Models(NCBM 2016)- Business models for startups and Small Firms, ISBN 978-93-5258-523-6 | Feb-2016 |
| 60 | Rajesh N, Sajimon Abraham, Privacy Preservation of Big Data in Cloud Environment, Research Journal of Misbah-Niche of Knowledge, 2015 November Special edition, Book No 15, Vol 15, ISSN 0976-2523 | Nov-2015 |
| 61 | Rajesh N, Sajimon Abraham ,Big Data Analytics using R, Proceedings of the UGC National Seminar- Recent Advances in Statistical theory and Computational Techniques, ISBN 978-81-920273-0-4 | Feb-2015 |
| 62 | Sabu Augustine and Sajimon Abraham, RFID Data Management in Supply Chain using Mathematical Encoding Schemes; Proceedings of the National Seminar on Mathematical Models and Methods in Applied Sciences (M3AS), November; Kerala; India; 2015; pp. 63-72 | Nov2015 |
| 63 | Sabu Augustine and Sajimon Abraham, Storage Optimization of RFID tag database using Path Encoding Scheme; Proceedings of the National Seminar on The Role of Geometry in Mathematics, March 2016, Kerala, India. | Mar2016 |
| 64 | Sabu Augustine, M.S Samuel and Sajimon Abraham, Similarity Search For Trajectory of RFID Tags In Supply Chain Traffic, International Journal of Database Management Systems Vol.8; No.3; June 2016 pp 211-224. | Jun2016 |
| 65 | Sabu Augustine, M.S. Samuel and Sajimon Abraham; Revolutionary Changes in Supply Chain Management, National Seminar on Logistics and Supply Chain Management (LOSCAM), Kerala, India. | Nov2016 |
| 66 |  Sajimon Abraham, Sabu Augustine; Technological Changes in Supply Chain Management using RFID Technology, Consortia SMBS MGU Journal of Management vol.3No.1, July – December 2017 | Dec2017 |
| 67 | Sabu Augustine, M.S Samuel and Sajimon Abraham.; Location Sequencing Of RFID Tag Movements in Supply Chain Using Dynamic Programming; International Journal of Math. Sci. &Engg. Appls.; Vol.10 No.III.; December, 2016.; pp 159-172. | Dec2016 |
| 68 | Sabu Augustine, M.S. Samuel and Sajimon Abraham; RFID Technology for making Revolutionary Changes in Supply Chain Management; International Conference on Best Practices in SCM, December 2016, Trivandrum, Kerala, India. | Dec2016 |
| 69 | Sajimon Abraham, Sabu Augustine; Revolutionary Changes in Supply Chain Management using RFID Technology, Consortia smbs mgu journal of management vol.3No.2 | Jun2017 |
| 70 | Sabu Augustine, M.S Samuel and Sajimon Abraham; Sequencing of RFID Tag Movements in Supply Chain using Dynamic Programming Techniques. Indian Journal of Mathematics and Mathematical Sciences, July – Dec.2017, pp 345-356 | Dec2017 |
| 71 | Sajimon Abraham , “Electronic and Digital Learning Possibilities in Digital India” in the Proceedings of the “International conference on understanding India” jointly organized by Rajeev Gandhi Chair , Inter University Centre for Chinese Studies and University Centre for International Co-operation, M.G University in February 2016. | Feb2016 |
| 72 | Sajimon Abraham, Sojan Lal, P. Spatio-Temporal Similarity of Network-Constrained Moving Object Trajectories using Sequence Alignment of Travel Locations, In Transportation Research Part C: Emerging Technologies. Special Issue on Data Management in Vehicular Networks, Science Direct, Transportation Research Part C, Journal at Elsevier, 2012.  | 2012 |
| 73 | Sajimon Abraham. and Sojan Lal, P. Spatio-Temporal Similarity of Web User Session Trajectories with Applications to Dark Web Environment. In the Proceedings of IEEE Asia Pacific Workshop on Intelligence and Security Informatics (PAISI 11), Springer-Verlang Series of Lecture notes in Computer Science, (LNCS), ISBN : 978-3-642-22038-8, Vol, 6749 , Beijing , China, 2011,1-10. ***Won the second best paper award*** | 2011 |
| 74 | Sajimon Abraham. And Sojan Lal, P. Spatio-Temporal Queries and Triggers in Moving Object Databases with Advantageous of Dimension Reduction. In the Book on Communication and Computing, School of Computer Sciences, Mahatma Gandhi University, Kottayam***. Won the second best paper award*** | 2011 |
| 75 | Sajimon Abraham and Sojan Lal, P.WEBTRACLUS – A Spatio-Temporal Trajectory Clustering Tool for Personalization in Healthcare Web Portals. In Proceedings of ACM PETRA held at Greece, 2011. | 2011 |
| 76 | Sajimon Abraham. And Sojan Lal, P. Trajectory Clustering of Network Constrained Moving Objects and Applications to Web Usage Mining. In the Interdisciplinary Journal Accuman, Marian College, Kuttikkanam, ISBN 0975-6981. | 2011 |
| 77 | Sajimon Abraham. And SojanLal, P. Trajectory Similarity of Network Constrained Moving Objects. In Proceedings of International Workshop on Intelligence and Security Informatics (PAISI10), Springer-Verlang Series of Lecture notes in Computer Science(LNCS), ISBN:978-3-642-13600-9, Vol 6122, Hyderabad, 181-192.  | 2010 |
| 78 | Sajimon Abraham. And SojanLal, P. Online security alarming scheme for Moving Objects on Road Networks, published in the Interdisciplinary Journal Accuman, Marian College, Kuttikkanam, 2009. | 2009 |
| 79 | Sajimon Abraham, P. SojanLal, A survey on modeling of moving objects on road networks, International conference on Data Engineering and Management, (ICDEM-2008), Track: Data Security and Networking, 9th February, 2008, Tiruchirappali, Tamil Nadu, India. | Feb2008 |
| 80 | Sajimon Abraham, P. SojanLal, Modeling and querying of current movements in Moving Object Databases, National Seminar on Data Mining Techniques and Applications, Sponsored by UGC and Co-sponsored by Mahatma Gandhi University, March 16-17, 2007 at Marian College, Kuttikkanam, Kerala, India.  | Mar2007 |
| 81 | Sajimon Abraham, P. SojanLal, Moving object databases for location awareness services, First International conference on business GIS, Organized by GIS Engineers Society (Affiliated to the Indian Cultural Centre, under the aegis of the Indian Embassy, Qatar)in association with Department of Geology, University of Kerala, India and Technopark, Trivandrum, Kerala, India. 7-8th December 2006 at Technopark, Trivandrum, Kerala, India. | Dec2006 |
| 82 | Spatio-Temporal Trajectory Similarity and Applications in Mining Tourist Mobility’’, International Journal of Tourism and Travel, ISSN NO. 0974-2603, Vol.5, Jan 2012 | Jan2012 |
| 83 | Sajimon Abraham, “Spatio-Temporal Trajectory Similarity and Applications in Mining Tourist Mobility"1st International Conference on Tourism & Technology 2011" (Banking & Insurance Sectors Involvement) - Key Focus On Next Generation Technology Solutions, IIT Campus, New Delhi, July 07 - 09, 2011 | July2011 |
| 84 | Sajimon Abraham, “Mobility Mining Techniques for Big Data Analysis in Supply Chain Traffic”, 3rd IIMA International Conference on Advanced Data Analysis, Business Analytics and Intelligence, IIM Ahmedabad | Apr2013 |
| 85 | Sajimon Abraham, P. SojanLal, A survey on modeling of moving objects on road networks, International conference on Data Engineering and Management, (ICDEM-2008), Track: Data Security and Networking, Tiruchirappali, Tamil Nadu, India. | Feb2008 |
| 86 | Sajimon Abraham, P. SojanLal, Moving object databases for location awareness services, First International conference on business GIS, Organized by GIS Engineers Society (Affiliated to the Indian Cultural Centre, under the aegis of the Indian Embassy, Qatar) in association with Department of Geology, University of Kerala, India and Technopark, Trivandrum, Kerala, India.  | Dec2006 |
| 87 | Sajimon Abraham, P. SojanLal, Modelling and querying of current movements in Moving Object Databases, National Seminar on Data Mining Techniques and Applications, Sponsored by UGC and Co-sponsored by Mahatma Gandhi University, March 16-17, 2007 at Marian College, Kuttikkanam, Kerala, India.  | 2007 |
| 88 | Sajimon Abraham, “Spatio-Temporal Trajectory Similarity and Applications in Mining Tourist Mobility"1st International Conference on Tourism & Technology 2011" (Banking & Insurance Sectors Involvement) - Key Focus On Next Generation Technology Solutions, IIT Campus, New Delhi, July 07 - 09, 2011 | 2011 |
| 89 | Sajimon Abraham, “Mobility Mining Techniques for Big Data Analysis in Supply Chain Traffic”, 3rd IIMA International Conference on Advanced Data Analysis, Business Analytics and Intelligence, IIM Ahmedabad | April2013 |
| 90 | Sajimon Abraham, “Spatio-Temporal Trajectory Similarity and Applications in Mining Tourist Mobility’’, International Journal of Tourism and Travel, ISSN NO. 0974-2603, Vol.5, January 2012 | Jan2012 |
| 91 | Sajimon Abraham, “Optimization techniques in RFID data management in Supply Chain”, International Journal of Computer Applications. | 2014 |
| 92 | Sajimon Abraham, “Big data analysis using in-memory techniques” published in the proceeding of the National Seminar on Computing and Communications held at Sri Bhudha College, Pattoor, March 2014. | Mar2014 |
| 93 | N. Rajesh, Abraham Sajimon, S. D. Shyni, Privacy preserved spatio-temporal trajectory publication of Covid-19 patients, Journal of Location Based Services – Taylor & Francis Journal- DOI: [https://doi.org/10.1080/ 17489725.2021.1906965](https://doi.org/10.1080/%2017489725.2021.1906965), Print ISSN: 1748-9725 Online ISSN: 1748-9733, Apr-2021 | April2021 |
| 94 | N. Rajesh, Abraham Sajimon, S. D. Shyni, Trajectory Data Publication Through Individualized Sensitive Stay Location Anonymization, Communications in Computer and Information Science(CCIS), pp.79-90,vol 1075. Springer-Book Chapter; DOI: <https://doi.org/10.1007/978-981-15-0108-1_9> , ISBN: 978-981-15-0107-4, Sep-2019 | September 2019 |
| 95 | Sajimon Abraham, Benymol Jose, Intelligent processing of unstructured textual data in document based NoSQL databases. Elsevier Materials Today Proceedngs June 2021 | June 2021 |

**Books/Book Chapters – Book Publications**

1. Mobility Mining , Roshmi Publications , 2018
2. Business Data Analysis Using EXCEL & Tally, Roshmi Publications, 2018
3. Instructional Design for E-learning, Edited Volume, MGU Publications, 2018
4. E-learning for MOOC, Edited Volume, MGU Publications, 2019
5. Celebrating Cultural Diversity Edited Volume, MGU Publications, 2019
6. **Details of the Project/scheme completed**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl No | Name of Project | Agency | Year of Completion | Amount in Rs. |
| 1 | e-learning based on Inquiry Training Model | UGC – Minor Project | 2006 | 75,000 |
| 2 | Moving object database Model for Security Informatics | UGC – Minor Project | 2013 | 1,00,000 |
| 3 | Distance & On-line Learning possibilities in Bhutan | UNDP Project | 2004 | 1,00,000 |
| 4 | Big Data Aanlysis on Flood Data: Early prediction and Impact Analysis | Re-Build Kerala Project  | 2021 | 4,260000 |

1. **Research Highlights**
2. Awarded Ph.D in Computer Science in the syndicate decision held on 17th March 2015, in the topic “Trajectory Data Management in Spatio-Temporal Databases”.
3. Awarded Research Guideship in Computer Science in Mahatma Gandhi University, from 1st August 2016 onwards
4. 6 Research Scholars submitted P.hD Thesis
5. Guiding 7 research scholars (One International Student) perusing for Ph.D course in Computer Science
6. **Academic Achievements**
7. Become the Member Board of Studies in Computer Applications (P.G), Mahatma Gandhi University from February 2015 onwards.
8. Become the Member Board of Studies in Management (P.G), Kannur University with effect from December 2015 for a period of 3 years.
9. Board of Studies member in Computer Science, Kerala University
10. Board of Studies member in Computer Science, Marian College & Mar Evanious College, Trivandrum
11. Assisted in the Committee on API Score evaluation for the Promotion of teachers in making a API format and instructions according to UGC guidelines.
12. Initiative taken to setup smart class room with Virtual Learning facility at SMBS
13. Started an add-on programme titled “Short term course on Business Data Analysis using Tally & Excel” for final Year MBA students as part of Additional Skill Acquisition to make the students employable. Course duration is December 2015 – March 2016.
14. Become Member – e-learning Technical Committee, Co-ordinator of University Alumni Activities.
15. Got the additional Charge of Honorary Director of University Center for International Co-operation(UCIC)
16. Become Member of Executive Committee of Inter University Centre for Chinese Studies, M.G University
17. Participated in 3 workshops in connection with e-governance of Mahatma Gandhi University
18. Organized and participated in two weeks Faculty Development Programme for University and College Teachers from 17th July 2015 to 2nd August 2015.
19. Co-ordinated the Placement Drive conducted at SMBS on 14th September for MBA students.
20. Co-ordinated the NAAC pre-presentation programme of the department before the IQAC committee of M.G University.
21. Co-ordinated the following short term programmes for making the MBA students more employable
22. Short term course on Business Data Analysis Using Tally and excel
23. Short term course on Business Analytics
24. **Faculty Development Programme Co-ordinated**
	1. Worked as a Co-ordinator of Faculty Development Programme organized by Director, College Development Council, Mahatma Gandhi University from 30th July 2015 to 12th Aug 2015.
	2. Worked as a Co-ordinator of Faculty Development Programme organized by Director, College Development Council, Mahatma Gandhi University from Ist t January 2017 to 15th January 2017
	3. Worked as a Co-ordinator of Faculty Development Programme organized by Director, College Development Council, Mahatma Gandhi University from 15th November 2018 to 15th November 2018.
	4. Worked as a Co-ordinator of Faculty Development Programme- MOOC and E-learning, organized by Director, College Development Council, Mahatma Gandhi University from 15th January 2019 to 30th January 2019.
25. **Installation of Virtual Learning Environment**
	1. Initiated the installation of the Smart and Virtual Learning Environment at School of Management and Business Studies in March 2015.
	2. Offering 100 % online programme in Business Data Analytics and Data Analysis using EXCEL.