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**Area of Specialization:** Machine learning, Data Analytics, GPU computing.

### **Publications**

#### **a. Papers published Journals:**

1. Venkata Vara Prasad D , Lokeswari Y Venkataramana , P. Senthil Kumar ,Prasannamedha G , Soumya K. & Poornema A.J. “Water quality analysis in a lake using deep learning methodology: prediction and validation” in International Journal of Environmental Analytical Chemistry. (Taylor & Francis Group) DOI:10.1080/03067319.2020.1801665 (Thomson Reuters,IF 1.431).
2. Lokeswari Venkataramana, Shamona Gracia Jacob, S.Saraswathi and D.VenkataVara Prasad “Identification of common and dissimilar biomarkers for different cancer types from gene expression of RNA sequencing data” in Journal of Gene Reports, ISSN 2524-0144,100654,Elseiver inc, Mar 2020. (Thomson Reuters,IF :0.61).
3. N. Venkatesvara Rao, D.V.V. Prasad, D. Susitra “An Innovative Video Summary and Pattern Mining using VSP Algorithm” in International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-3S, October 2019. (Scopus Indexed,IF :0.11)
4. N.Venkatesvara Rao, D.V.V.Prasad, Rajesh. M “An Augmented Reality Multimedia (ARM): A Dynamic Multimedia Encyclopedia on Mobile Device” in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8, Issue-11S, September 2019.[ Scopus indexed,IF: 0.1]
5. S. Saraswathi, Vallidevi Krishnamurthy, D. Venkata Vara Prasad, Tarun R K, S Abhinav, D. Rushitaa “Machine Learning Based Ad-click Prediction System” in International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8, Issue-6, PP 3646-3648, August 2019 [Scopus Indexed , IF: 0.1].
6. D.VenkataVara Prasad, Lokeswari Y. Venkataramana, B. Priyanka, B. Priyankha, Shrinidhi Rajagopal and Rushitaa Dattuluri “An Efficient Pre-Processing Method for Improved Classification of Diabetics using Decision Tree and Artificial Neural Network” in International Journal of AIP Conference proceedings ISSN Volume , Number (2019) pp [Scopus Indexed ,IF 0.484].
7. D. Venkatavara Prasad ,N. Venkatesvara Rao, and M. Sugumaran “Real-time video object detection and classification using hybrid texture feature extraction” in

International Journal of Computers and Applications pp1-10, [doi.org/10.1080/1206212X.2018.1525929](https://doi.org/10.1080/1206212X.2018.1525929), Taylor & Francis, Oct 2018 [Scopus Indexed ,IF 0.24 ].

8. D.VenkataVara Prasad, Lokeswari Y. Venkataramana, Pandiyan Muthuraj “Time-Based Proxy Re-Encryption for User Revocation with Reduced UAKs in Cloud Storage” in International Journal of Applied Engineering Research ISSN 0973-4562 Volume 13, Number 8 (2018) pp. 6138-6150[Scopus Indexed ,IF 0.484].
9. D. Venkatavara Prasad ,N. Venkatesvara Rao, and M. Sugumaran “Sequential mining of real time moving object by using fast frequency pattern algorithm” in Cluster Computing-The Journal Of Networks Software Tools and Applications pp1-10, ISSN 1386-7857, Vol 22,pages.9489–9494(2019). [Thomson Reuters ,IF 2.04].
10. D.Venkata vara prasad ,J.Suresh “Improving the performance of Smith–Waterman sequence algorithm on GPU using shared memory for biological protein” in Cluster Computing-The Journal Of Networks Software Tools and Applications pp1-10, ISSN 1386-7857, Vol 22, pages 9495–9504(2019). [Thomson Reuters ,IF 2.04].
11. N. Venkatesvara Rao,D. Venkatavara Prasad and M. Sugumaran “An Efficient Method to Detect Moving Object with Features by Using GLCM and ANN” in International Journal of Pure and Applied Mathematics, pp 467-476,Volume 116 No. 22 2017, 467-477 , ISSN: 1314-3395,Sept 2017[SCOPUS ,IF:0.25]
12. N. Venkatesvara Rao,D. Venkatavara Prasad and M. Sugumaran An “Efficient Preprocessing of Video/Image Using Stationary Wavelet Transform with Joint Bilateral Filtering” in Journal of Advanced Research in Dynamical and Control Systems ,pp561-568, Special Issue(13), ISSN 1943-023X, Sept 2017. [SCOPUS ,IF:0.14]
13. D.Venkata vara prasad ,J.Suresh “Performance Optimization of Nonlinear VLSI Interconnect Circuit using Schmitt Trigger” in International Journal of Computer Applications(IJCA), Volume 173 – No.4, September 2017.
14. D.Venkata vara prasad ,J.Suresh and R.Padmapriya , “An Innovative Cloud Framework for Tracking and Monitoring Tangible Assets in a Smarter Campus Using RFID ” in Asian Journal of Information Technology, Vol 15(11),1713-1722, 2016. ISSN:1682-3915. 2016 [SCOPUS ,IF:0.12]
15. D.Venkata vara prasad ,J.Suresh and Sai Kalyan , “Study and Analysis of Dynamic Routing Protocols in real time for Optimal Resource Utilization ” in the International Journal of Communications, pp 21-29,Volume 1, 2016 ,ISSN: 2367-8887.
16. D.Venkata vara Prasad, Suresh J and Sathya Madhusudhanan “uCLUST - A New Algorithm For Clustering Unstructured Data” in the ARPJ Journal of Engineering and Applied Sciences, ISSN 1819-6608, VOL. 10, NO. 5

(IF 0.29, SJR 0.16, , Annexure-II).

17. D.Venkata vara prasad and M.Deepthi , “Reconfigurable Architecture for Minimizing the Network Delays in the Multi-core Systems” in the Research Journal of Applied Sciences, Engineering and Technology, 9(8): 637-644, 2015, ISSN: 2040-7459; e-ISSN: 2040-7467 (IF 0.28, SJR 0.16, Annexure-II).

18. D.V.V.Prasad, Dr Y.V Reddy,Dr V.K Pandey, “An Unique Prediction Model of Interconnect Geometry for a Full Custom Design Style” ,Journal of Applied Science 8(19), 3503-3507,2008, ISSN 1812-5654(IF 0.26,SJR 0.19,Annexure II)

#### **b. Conferences:**

##### **International:**

1. D.Venkata Vara Prasad, Priyanka B., Priyankha B,Shrinidhi RajaGopal “Comparison of Classification Results Obtained from Diabetes Data” in the Proceedings of the Second International conference on Sustainable Energy Resources, Materials and Technologies (ISERMAT-2019), 14-15 March 2019.
2. D.Venkata vara prasad R.KaviBharathi , “Pertinent Candidate Allocation System for Recruitment based on Page Ranking Technique” in the proceedings of the IRF International Conference, 12th June 2016, Bangalore, pp 22-25, ISBN:978-93-86083-38-8.
3. A.Sivaranjani and D.Venkata vara Prasad “Optimizing BGP performance and a novel routing table structure for fast routing access on Multicores” in the International Conference on Communication and Signal Processing, Organized by Adhiparasakthi Engineering College, Melmaruvathur, during April 3-5, 2014, 978-1-4799-3357-0 2014, IEEE .

#### **c. Book Chapter Published:**

1. Venkataramana L., Jacob S.G., Saraswathi Shanmuganathan, Venkata Vara Prasad Dattuluri (2020) Benchmarking Gene Selection Techniques for Prediction of Distinct Carcinoma from Gene Expression Data: A Computational Study. In: Rout M., Rout J., Das H. (eds) Nature Inspired Computing for Data Science. Studies in Computational Intelligence, vol SCI 871. Springer, Cham, pp. 241-277  
DOI: [https://doi.org/10.1007/978-3-030-33820-6\\_1](https://doi.org/10.1007/978-3-030-33820-6_1).(Scopus Indexed,IF :1.73)
2. Vallidevi Krishnamurthy,D. Venkata Vara Prasad, Ganesh Kumar, B. Surendiran, Arjith Natarajan, Akshaya Natarajan, Dattuluri Rushitaa “Importance of Augmented Reality and Virtual Reality in Our Daily Life” Towards Smart World Homes to Cities Using Internet of Things , Taylor and Francis ISBN 9781003056751, PP 83-98,  
<https://doi.org/10.1201/9781003056751>. 2020