



Vishnu Institute of Technology (Autonomous) VISHNUPUR: BHIMAVARAM

FACULTY PUBLICATIONS (CSE) : 2023

JOURNALS:

1. **Uppalapati P.J.**, Dabbiru M., Rao K.V., A Comprehensive Survey on Summarization Techniques, SN Computer Science, Vol. 4, (5), PP. (560) 01-09, 2023 (Scopus)
2. Gontla B.K., Gundu **P.**, **Uppalapati P.J.**, **Narasimharao K.**, **Hussain S.M.**, A Machine Learning Approach to Identify Phishing Websites: A Comparative Study of Classification Models and Ensemble Learning Techniques, EAI Endorsed Transactions on Scalable Information Systems, Vol. 10, (5), PP. 01-09, 2023 (Scopus) (WoS)
3. Nagaraju T.V., Mantena S., Gobinath R., **Bonthu S.**, Subhan Alisha S., "Geopolymer-stabilized soils: influencing factors, strength development mechanism and sustainability", Journal of Taibah University for Science, Vol. 17, (1), PP. 01-18, 2023 (Scopus)
4. **Shankar D.**, George G.V.S., **Janardhana Naidu J.N.S.S.**, **Madhuri P.S.**, Deep Analysis of Risks and Recent Trends Towards Network Intrusion Detection System, International Journal of Advanced Computer Science and Applications, Vol. 14, (1), PP. 262-276, 2023 (Scopus) (WoS)
5. **Pericherla S.S.**, Cloud Computing Threats, Vulnerabilities and Countermeasures: A State-of-the-Art, ISeCure, Vol. 15, (1), PP. 55-112, 2023 (Scopus) (WoS)

CONFERENCE:

1. Maheswara Rao V.V.R., Silpa N., Shankar Reddy S., Rao Kurada R., **Mahaboob Hussain S.**, L Sameera E., A Robust XG-Boost Machine Learning Model for Water Quality Estimation System by Leveraging with Chi-Square Forward Sequential Feature Selection Technique, IEEE 1st International Conference on Ambient Intelligence, Knowledge Informatics and Industrial Electronics, AIKIIE 2023, PP. 2023 (Scopus)
2. Maddipati V.G.R., Soudha Basheera Bhanu B., Bhavya Sai D., Navya Sri Mahitha G., Pravallika **G.**, **Maddipati G.**, High Performance VLSI Architecture for Real-Time Video Edge Detection, 2023 2nd International Conference on Advances in Computational Intelligence and Communication, ICACIC 2023, PP. 2023 (Scopus)
3. Silpa S., Maheswara Rao R.V.V., Subbarao M.V., Pradeep M., Grandhi C.R., **Karunasri A.**, A Robust Team Building Recommendation System by Leveraging Personality Traits

Through MBTI and Deep Learning Frameworks, 2023 International Conference on IoT, Communication and Automation Technology, ICICAT 2023, PP. 2023 (Scopus)

4. Changalasetty S., Rajan N., Changalasetty S.B., Thota L.S., Bindu P.H., Satyanarayana P., **Thota H.**, Locating Areas of Crime Against Children with k-means Cluster Algorithm, Lecture Notes in Networks and Systems, Vol. 720 LNNS, PP. 469-477, 2023 (Scopus)
5. Jain S., **Hemalatha R.**, Mubeen S., Jethy J., Kandewar P., Pujari R., Deep Learning-Based Operational Risk Prevention and Control Monitoring of Smart Financial Systems, Proceedings of the 2nd IEEE International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2023, PP. 01-04, 2023 (Scopus)
6. Kurada R.R., Pattem S., Ramu Y., Maheswara Rao V.V.R., Silpa N., **Bonthu S.**, Raitu Vrudhi - An Android based Mobile Application for Agro-Marketing, 2023 4th International Conference for Emerging Technology, INCET 2023, PP. 01-07, 2023 (Scopus)
7. **Pradeep I.K., Kiran K.B., Sai Baba B.C.S.N.L.S.**, Devarakonda G.K.M., **Satish M.D.**, Efficient Sentiment classification with Minimal parameters using Average Embedding Approach, 2023 2nd International Conference on Electrical, Electronics, Information and Communication Technologies, ICEEICT 2023, PP. 2023 (Scopus) (WoS)
8. **Mulukutla V.K., Pavarala S.S., Kareti V.K., Midatani S., Bonthu S.**, Sentiment Analysis of Twitter Data on "The Agnipath Yojana", Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Vol. 14078 LNAI, PP. 534-542, 2023 (Scopus)
9. **Ahmed S.S., Uppalapati P.J., Ayesha S., Hussain S.M., Narasimharao K.**, Silpa N., Assessing Public Sentiment towards Digital India through Twitter Sentiment Analysis: A Comparative Study, Proceedings of the 7th International Conference on Intelligent Computing and Control Systems, ICICCS 2023, PP. 955-959, 2023 (Scopus)
10. **Bonthu S., Kiran K.B.**, Deenakonda M., Rao V.V.R.M., **Jagadeesh S.V.V.D.**, Multi-label and Multi-class Classification on a Custom Dataset using Convolution Neural Networks, Proceedings of the 7th International Conference on Intelligent Computing and Control Systems, ICICCS 2023, PP. 576-579, 2023 (Scopus)
11. Changalasetty S., Rajan N., Thota L.S., **Thota H.**, Changalasetty S.B., Detection of Prone Areas of Crime Against Children using DBSCAN, Proceedings of the 7th International Conference on Intelligent Computing and Control Systems, ICICCS 2023, PP. 776-781, 2023 (Scopus)
12. Silpa N., Maheswara Rao V.V.R., Subbarao M.V., Kurada R.R., Reddy S.S., **Uppalapati P.J.**, An Enriched Employee Retention Analysis System with a Combination Strategy of Feature Selection and Machine Learning Techniques, Proceedings of the 7th International Conference on Intelligent Computing and Control Systems, ICICCS 2023, PP. 142-149, 2023 (Scopus)

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15. **Kovvuri A.R., Uppalapati P.J., Bonthu S., Kandula N.R.**, Water Level Forecasting in Reservoirs Using Time Series Analysis – Auto ARIMA Model, Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST, Vol. 472 LNICST, PP. 192-200, 2023 (Scopus)
16. **Boddapati M.S.D., Chatradi M.S., Bonthu S., Dayal A.**, YouTube Comment Analysis Using Lexicon Based Techniques, Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST, Vol. 472 LNICST, PP. 76-85, 2023 (Scopus)
17. **Jyothi U.P.**, Dabbiru M., **Bonthu S., Dayal A., Kandula N.R.**, Comparative Analysis of Classification Methods to Predict Diabetes Mellitus on Noisy Data, Lecture Notes in Electrical Engineering, Vol. 946, PP. 301-313, 2023 (Scopus)
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2. **Bonthu S., Dayal A.**, "Maximizing Student Engagement by integrating social media in assignments of an online course", Journal of Engineering Education Transformations, Vol. 35, PP 334-337, 2022 (Scopus)

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1. **Krishna P.V., Matta V.D.R.**, "A Unique Deep Intrusion Detection Approach (UDIDA) for Detecting the Complex Attacks", International Conference on Edge Computing and Applications, ICECAA 2022 - Proceedings, , PP 557-560, 2022 (Scopus)
2. **Saraswathi M.K.N., Bharathi B.R.**, "Advanced Online Cheque Clearing System using Blockchain", International Conference on Edge Computing and Applications, ICECAA 2022 - Proceedings, , PP 561-563, 2022 (Scopus)
3. **Kundu M.**, Teja N.V., Kumar Chakraborty S., "Investigation of New Protocol: Cyclic Shift in Aggressive Packet Combining Scheme to Combat the Error in Same Bit Location", 2022 2nd International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies, ICAECT 2022,pp. 1-4, 2022 (Scopus)

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1. **Dayal A., Gupta S., Ponnada S.**, Hemanth D.J., "Tornado Forecast Visualization for Effective Rescue Planning", EAI/Springer Innovations in Communication and Computing, , PP 107-120, 2022 (Scopus)

FACULTY PUBLICATIONS (CSE) : 2021

JOURNALS:

1. **Ponnada S.**, Sekharamanthy P.K., **Dayal A.**, Yarramalle S., Vadaparathi N., Hemanth J., "An assisting model for the visually challenged to detect bus door accurately", Telkonnika (Telecommunication Computing Electronics and Control), Vol. 19, PP. 1924-1934, 2021, (Scopus)
2. **Dayal A., Gupta S., Ponnada S.**, Hemanth D.J., "Coherence and Adaptivity in Frameless Rendering-A Practical and Information Theoretic Analysis", IEEE Access, Vol. 9, PP. 67752-67760, 2021, (Scopus) (WoS)
3. **M. Kumara Swamy** and **U. Padma Jyothi**, —An Effective Approach to Hate Speech Detection on Social Media,|| International Research Journal of Engineering and Technology, vol. 8, no. 7, pp. 3903–3907, Aug. 2021. [GS]

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1. **Kundu M., Nagendra Kumar D.J.**, "Route Optimization of Unmanned Aerial Vehicle by using Reinforcement Learning", Journal of Physics: Conference Series, Vol. 1921, PP. 01-06, 2021, (Scopus)
2. **Uppalapati P.J., Dayal A.**, Yamala A., Palivela S.K., "Automatic closing of sketch boundaries - Opening doors to coloring fun", Proceedings - 5th International Conference on Intelligent Computing and Control Systems, ICICCS 2021, PP. 673-676, 2021, (Scopus)

3. **Bonthu S.**, Sree S.R., Krishna Prasad M.H.M., "Text2PyCode: Machine Translation of Natural Language Intent to Python Source Code", Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Vol. 12844 LNCS, PP. 51-60, 2021, (Scopus) (WoS)
4. **Bonthu S.**, Rama Sree S., Krishna Prasad M.H.M., "Automated Short Answer Grading Using Deep Learning: A Survey", Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Vol. 12844 LNCS, PP. 61-78, 2021, (Scopus) (WoS)

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JOURNALS:

1. **Pericherla S.**, "Analysis of host resources utilization by openstack in ubuntu environment", Emerging Science Journal, Vol. 4, PP. 466-492, 2020, (Scopus)
2. Naresh V.S., **Pericherla S.S.**, Murty P.S.R., Reddi S., "Internet of things in healthcare: Architecture, applications, challenges, and solutions", Computer Systems Science and Engineering, Vol. 35, PP. 411-421, 2020, (Scopus) (WoS)
3. **P. Vijaya Durga** and **T. Sujit Kumar**, "A Literature Survey on Internet of Things", International Journal for Research in Engineering Application & Management, vol. 6, no. 9, 2020 [GS]
4. **M. Durga Satish** and **B. Sai Baba**, "IoT Based Smart Street Light Management System", International Journal of Future Generation Communication and Networking, vol. 13, no. 4, 2020. [GS]
5. **B. Revanth** and **D. John Subuddhi**, "Query Approach for Influence Maximization on Specific Users in Social Networks", International Journal of Future Generation Communication and Networking, vol. 13, no. 4, 2020. [GS]

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1. **Arla L.R.**, **Bonthu S.**, **Dayal A.**, "Multiclass spoken language identification for indian languages using deep learning", 2020 IEEE Bombay Section Signature Conference, IBSSC 2020, PP. 42-45, 2020, (Scopus)
2. **Tummalapalli H.**, **RaviTeja P.N.V.**, **Raavi T.**, **Reddy N.S.**, **Chekka S.**, **Dayal A.**, "Safe Drive - Enabling Smart Do not Disturb on Mobile and Tracking Driving Behavior", Learning and Analytics in Intelligent Systems, Vol. 3, PP. 198-205, 2020, (Scopus)

3. **Rajesh N., Prasad K.D., Akhila N., Dayal A.**, "Exploratory Data Analysis to Build Applications for Android Developer", Learning and Analytics in Intelligent Systems, Vol. 3, PP. 231-236, 2020, (Scopus)
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5. **Surya Prakash K., Srimannarayana K., Kaatnam P.K., Dayal A.**, "Precise Survey Assistance for Civil Structures Using Survey Assist", Learning and Analytics in Intelligent Systems, Vol. 2, PP. 47-52, 2020, (Scopus)
6. **Suryadevara N.K., Negi A., Rudraraju S.R.**, "A Smart Home Assistive Living Framework Using Fog Computing for Audio and Lighting Stimulation", Learning and Analytics in Intelligent Systems, Vol. 3, PP. 366-375, 2020, (Scopus)
7. **Suryateja P.S.**, "Experimental Analysis of OpenStack Effect on Host Resources Utilization", Advances in Intelligent Systems and Computing, Vol. 1059, PP. 11-19, 2020, (Scopus) (WoS)

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Rudraraju S.R., Suryadevara N.K., Negi A., "Edge computing for visitor identification using eigen faces in an assisted living environment", Assistive Technology for the Elderly, PP. 235-248, 2020, (Scopus)

FACULTY PUBLICATIONS (CSE): 2019

JOURNALS:

1. **Shaik Mahaboob Hussain**, Intramural Analysis of Block-Chain, International Journal of Knowledge based Computer systems Vol.-7 Issue-1 published 2019, pp-25 - 32, ISSN - 2321-5623. [Google Scholar]
2. **B.V.Prasanthi**, "Instructional Strategies for Different Learning Styles: A Study " in SPC Journal of Education, Volume 2, Issue No 1 in August 2019 [Google Scholar]
3. **Divya.L** , –Skin Lesion Analysis Toward Melanoma Detection with Deep Neural Networks|| , Journal of Emerging Technologies and Innovative Research (JETIR), 6(6), 2019, ISSN:2349-5162.
4. **Prasanthi,B.V.** Classroom Assessment Methods and Tools: A Review, International Journal of Research and Analytical Reviews. 6(2), pp.94-97, 2019. [UGC approved]
5. **Narasimha Raju,P.V, Bhargav Kiran, B.A** novel approach on convolutional neural

network for face based age and gender recognition, International Journal of Research in advent Technology, 7(5), pp 642-646, 2019.

6. **Ponnada, Sreenu**, Srinivas Yarramalle. —Object Identification to Assist Visually Challenged. International Journal of Engineering and Advanced Technology (IJEAT), 8(4),pp 1033-1039 2019. [Scopus]

Conference Publications

1. **S. R. Rudraraju**, N. K. Suryadevara and A. Negi, "Face Recognition in the Fog Cluster Computing," 2019 IEEE International Conference on Signal Processing, Information, Communication & Systems (SPICSCON), Dhaka, Bangladesh, 2019, pp. 45-48, doi: 10.1109/SPICSCON48833.2019.9065100. [Google Scholar]
2. S. R. Sahith, **S. R. Rudraraju**, A. Negi and N. K. Suryadevara, "Mesh WSN Data Aggregation and Face Identification in Fog Computing Framework," 2019 13th International Conference on Sensing Technology (ICST), Sydney, Australia, 2019, pp. 1-6, doi:10.1109/ICST46873.2019.9047708. [DBLP] [Springer] [Google Scholar]

FACULTY PUBLICATIONS (CSE): 2018

JOURNALS:

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2. **Sridevi, Bonthu. and Himabindu.K.** Review of Leading Data Analytics Tools. International Journal of Engineering & Technology.7(3.31), pp. 10-15, 2018.[Scopus]
3. **Mahaboob Hussain,S.,** Prathyusha, Kanakam., and Raghu Varma, Edarapalli. Exploring Bitcoin Cryptocurrency: An Analysis, Applications and its Market Influence. International Journal of Computer Applications. 181(26),pp 44-47, 2018. [Google Scholar]
4. **Sarada Devi,V.D.V.**Sand Varma, G.P.S. Alzheimer disease worthwhile for early detection, International Journal of Current Advanced Research.7(6F), pp 13495-13497,2018.
5. **Ponnada, Sreenu**, Srinivas Yarramalle, and Madhusudhana Rao TV. "A Hybrid ApproachforIdentificationofManholeandStaircasetoAssistVisually Challenged." IEEE Access 6 pp. 41013-41022, (2018). [SCIE] [IF-3.745]
6. **Suryateja, Pericherla.** Cloud Service Models Threats and Vulnerabilities: A

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3. **Bonthu, S. and Himabindu, K.** Review on leading Data Analytics Tools in the International conference on Applied Science and Technology (ICAST-2018). pp 10-15, 2018. [Google scholar]
4. **Prathyusha, Kanakam., Mahaboob Hussain, S.** and Chakravarthy, A S N. Smart-Trace: A Future Security Aid using Body Odor Sensing of an Individual with IoT. 3rd International Conference on Internet of Things and Connected Technologies. pp. 299-302, 2018. (ELSEVIER) [SCOPUS, DBLP]
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7. **Divya L., Veenadhari,L. and Suryanarayana,D.** Application of FogComputingin Military Operations. International Journal of Computer Applications.164(6),pp 10-15,2017.[Google Scholar].
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FACULTY PUBLICATIONS (CSE): 2015

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