Vishnu Institute of Technology (Autonomous)

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Vishnupur, Bhimavaram – 534202: West Godavari Dist. A.P.

Department of Computer Science Engineering

2022* FACULTY PUBLICATIONS

Journal Publications

1. **B. Sridevi** and **A. Dayal**, "Maximizing Student Engagement by integrating social media in assignments of an online course," Journal of Engineering Education Transformations, vol. 35, pp. 334–337, Jan. 2022.

Book Chapter

1. **S. Bonthu**, **A. Dayal**, M. S. Lakshmi, and S. Rama Sree, "Effective Text Augmentation Strategy for NLP Models," Advances in Intelligent Systems and Computing. Springer Singapore, pp. 521–531, 2022. doi: 10.1007/978-981-16-4538-9_51.

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Journal Publications

1. S. Praveen Kumar, **S. Ponnada**, K. Bhargav, and B. Raja Koti, "Automatic Number Plate Recognition using Regionbased Convolution Neural Network and LSTM," Solid State Technol., vol. 63, no. 4, pp. 2473–2481, Apr. 2020, Accessed: Jul. 02, 2021. [Scopus]

2. **S. Ponnada**, N. Vadaparthi, S. M. Velaga, S. Yarramalle, and V. Sahitya, "A novel automated approach for brain tumor classification using MR Images," Solid State Technol., vol. 63, no. 6, pp. 5777–5786, Nov. 2020, Accessed: Jul. 02, 2021. [Scopus]

3. **A. Dayal**, **S. Gupta**, **S. Ponnada**, and D. Jude Hemanth, "Coherence and Adaptivity in Frameless Rendering-A Practical and Information Theoretic Analysis," IEEE Access, vol. 9. pp. 67752–67760, 2021, doi: 10.1109/access.2021.3076898. [SCI, WoS]

4. 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]

Conference Publications

1. **K. Mayuri**, "Aggressive Packet Combining Scheme for Cooperative Wireless Communication Ensuring Enhanced Throughput", in Artificial Intelligence and Sustainable Engineering, 2021. [Scopus]

2. **K. Mayuri** and D. Nagendra Kumar, "Route Optimization of Unmanned Aerial Vehicle by using Reinforcement Learning", in Journal of Physics : Conference Series, 2021. [Scopus]

3. **P. J. Uppalapati**, **A. Dayal**, A. Yamala, and S. K. Palivela, "Automatic Closing of Sketch Boundaries — Opening Doors to Coloring Fun," 2021 5th International Conference on Intelligent Computing and Control Systems (ICICCS). IEEE, May 06, 2021. doi: 10.1109/iciccs51141.2021.9432306. [Scopus] [DBLP] [GS]

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1. **S. Bonthu**, S. R. Sree, and M. H. M. Krishna Prasad, "Text2PyCode: Machine Translation of Natural Language Intent to Python Source Code," Lecture Notes in Computer Science. Springer International Publishing, pp. 51–60, 2021. doi: 10.1007/978-3-030-84060-0_4. [WoS] [Scopus] [DBLP] [GS]

2. **S. Bonthu**, S. Rama Sree, and M. H. M. Krishna Prasad, "Automated Short Answer Grading Using Deep Learning: A Survey," Lecture Notes in Computer Science. Springer International Publishing, pp. 61–78, 2021. doi: 10.1007/978-3-030-84060-0_5. [WoS] [Scopus] [DBLP] [GS]

Books

1. R. Suresh, P. Brundavani, D. Vishnu Vardhan, and **M. Kundu**, Implementation and Installation of FM Broadcasting System. Orange Publishers, 2021.

2020 FACULTY PUBLICATIONS

Journal Publications

1. **I. Kali Pradeep**, J. B. M, and B. Satyanarayana, "Data Science And Deep Learning Applications In The E-Commerce Industry: A Survey," Indian Journal of Computer Science and Engineering, vol. 11, no. 5. pp. 497–509, 2020, doi: 10.21817/indjcse/2020/v11i5/201105135. [Scopus]

2. **S. S. Pericherla**, "Analysis of Host Resources Utilization by OpenStack in Ubuntu Environment," Emerging Science Journal, vol. 4, no. 6. pp. 466–492, 2020, doi: 10.28991/esj-2020-01246. [Scopus]

3. V. S. Naresh, **S. S. Pericherla**, P. Sita Rama Murty, and S. Reddi, "Internet of things in healthcare: Architecture, applications, challenges, and solutions," Comput. Syst. Sci. Eng., vol. 35, no. 6, pp. 411–421, 2020. [SCIE, WoS, Scopus]

4. **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]

5. **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. [ESCI, WoS]

6. 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. [ESCI, WoS]

7. **S. Ponnada**, S. Yarramalle, N. Vadaparthi and S. Potnuru, "Emotion Recognition Model Based on Dynamic Time Warping and Generalized Gamma Distribution", Indian Journal of Natural Sciences, vol. 11, no. 63, 2020. [WoS]

Conference Publications

1. V. S. Lalam, **A. Dayal**, S. V. R. Sheik, and V. K. Adabala, "Real-Time 2D Avatar Lip Syncing for the on Demand Interactive Chatbots," Recent Advances in Computer Based Systems, Processes and Applications. pp. 89–95, 2020, doi: 10.1201/9781003043980-12. [Scopus]

2. V. V. Sayyaparaju, R. B. Pichukala, V. Tummalapalli, and **A. Dayal**, "Grammar Expert an Automated Essay Scoring Application," Recent Advances in Computer Based Systems, Processes and Applications. pp. 177–184, 2020, doi: 10.1201/9781003043980-21. [Scopus]

3. **S. R. Rudraraju**, N. K. Suryadevara and A. Negi, "Face Mask Detection at the Fog Computing Gateway," 2020 15th Conference on Computer Science and Information Systems (FedCSIS), Sofia, Bulgaria, 2020, pp. 521-524, doi: 10.15439/2020F143. [Scopus]

4. L. R. Arla, **S. Bonthu**, and **A. Dayal**, "Multiclass Spoken Language Identification for Indian Languages using Deep Learning," 2020 IEEE Bombay Section Signature Conference (IBSSC). 2020, doi: 10.1109/ibssc51096.2020.9332161. [Scopus]

5. **Suryateja P.S.** (2020) Experimental Analysis of Open Stack Effect on Host Resources Utilization. In: Khanna A., Gupta D., Bhattacharyya S., Snasel V., Platos J., Hassanien A. (eds) International Conference on Innovative Computing and Communications. Advances in Intelligent Systems and Computing, vol 1059. Springer, Singapore, Nov, 2019. [Scopus]

6. Suryadevara N.K., Negi A., **Rudraraju S.R.** (2020) A Smart Home Assistive Living Framework Using Fog Computing for Audio and Lighting Stimulation. In: Satapathy S., Raju K., Shyamala K., Krishna D., Favorskaya M. (eds) Advances in Decision Sciences, Image Processing, Security and Computer Vision. ICETE 2019. Learning and Analytics in Intelligent Systems, vol 3. Springer, Cham [Springer] [Google Scholar]

Book Chapter

1. V. Teja, A. Sarkar and **K. Mayuri**, "Characterization of Ag/Ti Schottky Contact on ZnO Thin Film under UV Exposure", in Materials Today:Proceedings, 2020. [Scopus]

2. **K. Mayuri** and A. Sarkar, "Innovative and Effective Teaching Strategies for Online Education", in Innovative Teaching and Learning Process during COVID 19, IOR International Press, 2020. [Scopus]

3. **Rudraraju, S.R.**, Suryadevara, N.K., Negi, A.: Edge computing for visitor identification using eigenfaces in an assisted living environment. In: Suryadevara, N.K. and Mukhopadhyay, S.C. (eds.) Assistive Technology for the Elderly. pp. 235–248. Academic Press (2020). [Google Scholar]

2019 FACULTY PUBLICATIONS

Journal Publications

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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]

2018 FACULTY PUBLICATIONS

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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.S** and 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 Approach for Identification of Manhole and Staircase to Assist Visually Challenged." IEEE Access 6 pp. 41013-41022, (2018). [SCIE] [IF-3.745]

6. **Suryateja, Pericherla**. Cloud Service Models Threats and Vulnerabilities: A Review,International Journal on Future Revolution in Computer Science and Communication Engineering.4(4), pp 63-67, 2018.[Google Scholar]

7. **Suryateja, Pericherla**. Threats and Vulnerabilities of Cloud Computing: A Review, International journal of computer sciences and engineering. 6(3), pp 297-302,2018. [Google Scholar]

8. **Rama Bhargavi ,P**. and Jhansi Rani, S. Energy and Memory Efficient Clone Detection with Multiple Witness Headers. International Journal of Research. 5(4),pp 929-933,2018

9. Yaseen Reena,MD and **Ravindra Bharathi,G.** A Survey on Data Storage & Security in Cloud Using RDIC & ID by PKI. International Journal of Engineering and Techniques. 4(1),pp 269-273,2018.

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1. **KaliPradeep, Immidi. and Bhaskar, I.** Comparative analysis of recommender systems and its enhancements, International Conference on Research Advancements in Applied Engineering Sciences, Computer and Communication Technologies.2018. [Scopus]

2. **S Mahaboob Hussain**, Prathyusha Kanakam, **D. Suryanarayana**, A Prototype for Semantic Knowledge Retrieval from Educational Ontology Using RDF and SPARQL. In: Pati B., Panigrahi C., Misra S., Pujari A., Bakshi S. (eds) Progress in Advanced Computing and Intelligent Engineering. Advances in Intelligent Systems and Computing, vol 713. Springer, Singapore, pp.541-550,2018. [DBLP, Scopus]

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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]

5. Jyothi, K. B. and **Bindu, K. H**. A Case Study in R to Recognize Human Activity Using Smartphones. In Proceedings of International Conference on Computational Intelligence and Data Engineering. LNDECT, 9. pp. 191-200,2018. [Scopus]

2017 FACULTY PUBLICATIONS

Journal Publications

1. **Prasanthi, B V., Prathyusha, Kanakam and Mahaboob Hussain,S.** Cyber Forensic Science to Diagnose Digital Crimes-A study, International Journal of Computer Trends and Technology. 50(2),pp 107-113,2017. [Google Scholar]

2. **Prasanthi, B, V and Sridevi, Bonthu**. Resisting Cyber-attacks in Digital Banking using Visual Cryptography, International Journal of Computer Sciences and Engineering. 5(10).pp 358-362,2017. [UGC Approved][Google Scholar]

3. Sindhu Latha Sree, Bonam. and **Durga Rao, M.V**. Approach for Mpr Selection in Olsr Protocol Using Imaginary Nodes. International Journal of Research. 4(8), pp 782-785, 2017.

4. **Abhinav Dayal**. Improving Adaptive Frameless Rendering. International Journal of Computers and Applications. 40(2), pp 110-120,2017.[Taylor and Francis] [Scopus]

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6. Parantalu V. and **Bhargav Kiran K**. Credit card Fraud Detection using Predictive Modeling: a Review. International Journal of Innovative Research in Technology. 3(9),pp 53-58,2017.[Google Scholar].

7. **Divya L., Veenadhari, L. and Suryanarayana, D.** Application of Fog Computing in Military Operations. International Journal of Computer Applications.164(6),pp 10-15,2017.[Google Scholar].

8. **Bhargav Kiran K**. Progressive and Scalable Approaches for Duplicate Detection in High Data Amounts. International journal of professional engineering studies. 8(1), pp 291-296,2017. [Google Scholar].

Conference Publications

1. **Prathyusha, Kanakam., Mahaboob Hussain,S**., Chakravarthy, A. S. N. Cogno-Detective System for Body Odor Sensing. IEEE International Conference on Computational Intelligence and Computing Research.2017. [Publish in: IEEE Xplore] [SCOPUS]

2. **Mahaboob Hussain,S., Prathyusha, Kanakam., and Suryanarayana.D**. Forensics Data Analysis for Behavioral Pattern with Cognitive Predictive Task. International Conference on Next Generation Computing Technologies. 827, pp 549-557,2017.[SCOPUS,DBLP]

3. **Mahaboob Hussain,S., Prathyusha, Kanakam., and Suryanarayana.D.** A Prototype for Semantic Knowledge Retrieval from Educational Ontology using RDF and SPARQL. International Conference on Advanced Computing and Intelligent Engineering. pp.549-557,2017.[SCOPUS,DBLP]

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5. Babu, Y., Kumar, T., **Swamy, M**., and Rao, M. Defended protocol for artless wireless Ad Hoc networks formation. International Conference On Big Data Analytics And Computational Intelligence. pp 230-234,2017.[Google Scholar]

Books

1. **HimaBindu,K**. Strategic Poly semantic Search for Web Mining. LAMBERT Academic Publishing, Germany. 2017. [Scopus]

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2. Himaja D. and **Shymala Madhuri P**. Distributed Approach over Encrypted Cloud Data for Multi Keyword Ranked Search Scheme. International Journal For Research On Electronics And Computer Science. 5(6),pp.4913-4919,2016. [GOOGLE SCHOLAR].

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5. **Mahaboob Hussain,S., Prathyusha Kanakam., Suryanarayana, D**., Swathi, Gunnam. and Sharmela Shaik. Semantic Information Retrieval: An Ontology and RDF based Model. International Journal of Computer Applications. 156(9), pp 34-38,2016. [Google Scholar]

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10. **Suryateja, S, P**. A Comparative Analysis of Cloud Simulators, International Journal of Modern Education and Computer Science. 8(4),pp. 64–71,2016. [Google Scholar]

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1. **Suryanarayana, D., Kanakam P., Hussain S., and Gupta, S**. Knowledge representation of natural language in high performance linguistics scheme. 2016 IEEE International Conference On Computational Intelligence And Computing Research (ICCIC). pp 1-5,2016.[EI, SCOPUS]

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Journal Publications

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2. **Prathyusha Kanakam., Hussain S M., SuryaNarayana D and Sumit Gupta**. Semantic Representation of Natural Language Query Using Combinatory Categorial Grammar and Lambda Calculus. International Conference on Signal Processing, Control and Data Analytics. pp 163-168,2015. [Springer, Elsevier]

3. **Hussain M S., Prathyusha Kanakam.** and Chakravarthy A S N. MFAT: Security Enhancements in Integrated Biometric Smart Cards to Condense Identity Thefts. World Conference on Applied Sciences, Engineering and Technology. 1(4), pp 329-338,2015.[Scopus]

4. **Suryanarayana, D., Hussain, S., Kanakam, P., Gupta, S.** Stepping towards a semantic web search engine for accurate outcomes in favor of user queries: Using RDF and ontology technologies. 2015 IEEE International Conference On Computational Intelligence And Computing Research (ICCIC). pp 1-6,2015.[Scopus]

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4. **Padma Jyothi U.**, and Seenu A. Efficient Query Processing For PIM System , International Journal of Computer Science Trends and Technology. 2(6) ,pp. 48-52, 2014. [Google Scholar]

5. **Prasanthi, B.V., Padma Jyothi, U., Sridevi , B. and Vamsi Krishna, T**. Security Enhancement of ATM System with Fingerprint and DNA Data. International Journal of Advanced Research in Computer Science and Software Engineering. 4(12), pp. 477-47,2014. [Google Scholar]

6. **Prasanthi, B.V., Mahaboob Hussain,S., Prathyusha Kanakam.** and Chakravarthy, A.S.N. Palm Vein Biometric Technology :An Approach To Upgrade Security In ATM Transactions. International Journal of Computer Applications. 9(112),pp.1-5,2014. [Google Scholar]

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16. **Divya.,L,** and Sunil Babu., Jakkamsetti . A LaGrange's Polynomial Based Secure Data Distribution between Data Owners. International Journal on Emerging Trends in Technology. 16(6), pp 311-314,2014. [Google Scholar].

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