

## Dr. Deepamala N

### Publications

1. Automated government form filling for aged and monolingual people using interactive tool, *Disability and Rehabilitation: Assistive Technology*, pp 1-11, Taylor & Francis, 2023 - Q2 Journal
2. Accessibility in Web and Mobile Applications, *International Journal of Applied Engineering Research* ISSN 0973-4562 Volume 17, Number 5 (2022) pp. 450-454. Scopus Indexed.
3. Change data capture on relational databases using Apache Kafka, *Gradiva Review Journal*, Volume 8 Issue 7, pp 334-339, 2022. Scopus Indexed Q4 Journal.
4. Enhanced Adaptive ACK Protocol To Detect and Prevent Attacks in MANETs, *High Technology Letters Journal*, Volume 28, Issue 8, August 2022. Scopus indexed Q4.
5. Automated Dynamic Schema Generation Using Knowledge Graph, *IAES International Journal of Artificial Intelligence (IJ-AI)*, Volume 11, No 4, December 2022, *Q3 Scopus Indexed journal*.
6. Enhancement of Natural Language to SQL Query Conversion using Machine Learning Techniques, *(IJACSA) International Journal of Advanced Computer Science and Applications*, Vol 11, Issue 12 pp 494-503,2020
7. Survey on Customer Relationship Management Analytics, *International Journal of Computer Sciences and Engineering*, Vol 8, Issue 5, pp 78-85, May 2020
8. Chatbot for Business Environment Using Botpress Conversational AI Platform, *International Research Journal of Engineering and Technology (IRJET)*, Vol 7, Issue 4, pp 6503-6507, April 2020
9. Comparative Analysis of Web Content Management Systems, *International Journal of Scientific Research in Engineering and Management (IJSREM)*, Vol 4, Issue 5, pp 1-5, May 2020
10. A Survey on Docker Container and its Use Cases, *International Research Journal of Engineering and Technology (IRJET)*, Vol 7, Issue 7, pp 2716-2720, July 2020
11. Deepak jha Deepamala.N, Tushar Kanakagiri, Shreyas Raghunath, Sugghosh Kaushik, Dr.Shobha G, Ankit Singh, "Automated Test Script Generation from Natural Language Query", *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, pp 12-16, 2019 Scopus Indexed.
12. "Deal Model Optimization using Machine Learning", *International Journal of Emerging Technologies and Innovative Research (www.jetir.org)*, ISSN:2349-5162, Vol.6, Issue 5, page no.393-396, May-2019,
13. Nijagunappa, Deepamala. "Linguistic Elegance of the Languages of South India." *Computational Analysis and Understanding of Natural Languages: Principles, Methods and Applications* 38 (2018): 429. (Scopus Indexed)
14. Deepamala, N., and G. Shobha. "Effective approach in making Capstone project a holistic learning experience to students of undergraduate computer science engineering program." *JOTSE* 8.4 (2018): 420-438. (Scopus)
15. Venkat Ramana Reddy, Safwan, Deepamala.N, Shobha.G. "Network Traffic Simulator from Real Time Captured Packets", *IJAER*, Volume 12, Number 20, pp. 10134-10137, 2017 (Scopus Indexed)
16. Mr. Shankara Naryana Prasad S, Dr. Deepamala N, "Ensuring the Stability of Lease Transaction and Salesforce Batchjobs", *IJSRD*, 5(4), pp. 1151-1154, 2017

17. "Automated Prediction of Thyroid Disease using ANN", Vikram, Deepamala.N, International Journal of Innovative Research in Science,Engineering and Technology, Volume 5, Special issue 5, pp 268-272, 2016
18. "Survey on Cloud-based Health Management Solutions", Shaheem.M.Shaikh, Deepamala.N, Journal for Research (J4R), Volume 2, Issue 3, pp 101-104,2016
19. "Sentence Boundary Detection in Kannada Language", Deepamala.N and Ramakanth Kumar.P, International Journal of Computer Applications (0975 – 8887) Volume 39– No.9, February 2012. Impact Factor: 0.8
20. "Language Identification of Kannada Language using N-Gram", Deepamala.N and Ramakanth Kumar.P, International Journal of Computer Applications (0975 – 8887) Volume 46– No.4, May 2012. Impact Factor: 0.8

### Conferences:

1. "A Comparative Analysis Of Various Blockchain Technologies", 1st IEEE International Conference on Multidisciplinary Research in Technology and Management – MRTM 23, organized by New Horizon College of Engineering, Bengaluru on 22nd & 23rd September 2023.
2. "Handwritten trip sheet to digital conversion using OCR", IEEE International Conference on Advances in Electronics, Communication, Computing and Intelligent Information Systems (ICAECIS – 23), 19-21<sup>st</sup> April 2023.
3. "Attribute Recommendation system using SQL for Database Developers", 3<sup>rd</sup> International Conference on Recent Innovative trends in Computer Science and Applications, 6<sup>th</sup> – 7<sup>th</sup> May, AIP publication, 2022.
4. "An Insight into Encrypted DNS protocol: DNS over TLS", 4th International Conference on Recent Developments in Control, Automation & Power Engineering (RDCAPE), pp - 379-383, 2021 (Scopus Indexed)
5. "Analysis and Detection of Malicious Activity on DoH Traffic", 2nd Global Conference for Advancement in Technology (GCAT), pp-1-5, 2021 (Scopus Indexed)
6. "[ISQNL: interpretable SQL query synthesizer from natural language input](#)", Proceedings of the International Conference on Advanced Information Science and System (AISS-19), pp 1-6, 2019 (Scopus Indexed).
7. "Time Series Forecasting methods suitable for prediction of CPU usage", 4<sup>rd</sup> IEEE International Conference on Computational Systems and Information-CSITSS-2019, RVCE, Bangalore, December 20,21<sup>st</sup> 2019. (Scopus Indexed)
8. "Natural Language to Structured Query Language using Elasticsearch for descriptive columns", 4<sup>rd</sup> IEEE International Conference on Computational Systems and Information-CSITSS-2019, RVCE, Bangalore, December 20,21<sup>st</sup> 2019. (Scopus Indexed)
9. "Machine Learning Techniques to Understand Partial and Implied Data Values for Conversion of Natural Language to SQL Queries", 4<sup>rd</sup> IEEE International Conference on Computational Systems and Information-CSITSS-2019, RVCE, Bangalore, December 20,21<sup>st</sup> 2019. (Accepted) (Scopus Indexed)
10. Geetha. J.K, Deepamala.N, "Kannada Text Summarization Using Latent Semantic Analysis". ICACCI 2015, Kochi, 10-13 August 2015.
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12. Deepamala, N., and P. Ramakanth Kumar. "Kannada Stemmer and Its Effect on Kannada Documents Classification." *Computational Intelligence in Data Mining-Volume 3*. Springer India, 2015, pp 75-86.
13. Deepamala. N, Ramakanth Kumar. P, Surendra H., "Kannada Sentence Boundary Detection using Rule Based and Maximum Entropy methods", *Advances in Engineering and Technology Series*, Elsevier India Publishing, 2013, pp 510- 512.
14. Deepamala, N., and Ramakanth Kumar. P. "Text Classification of Kannada Webpages Using Various Pre-processing Agents." *Recent Advances in Intelligent Informatics*. Springer International Publishing, 2014, pp 235-243.
15. Surendra.H and Deepamala.N. "Kannada sentence Boundary Detection using Apache OpenNLP Toolkit". In proceedings of International conference on computer science and Engineering” held on 7<sup>th</sup> April 2013.