

Profile

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| Name of the Faculty | Dr.K.Neeraja | Latest Passport Size Photo |
| Designation | Professor | |
| Department | Computer Science and Engineering | |
| Area of Interest | NLP and Machine learning | |
| Subjects Taught | Java, oops, c,c++, OS, DBMS | |
| JNTUH Registration Id | 62150406-101224 | |
| College Staff Code | SC 1564 | |

Educational Qualifications:

| S. No. | Degree | Specialization | University/College | Year |
|---------------|---------------|-----------------------|---------------------------|-------------|
| 1 | PhD | NLP | JNTUH | 2020 |
| 2 | M Tech | CSE | JNTUH | 2010 |
| 3 | MCA | Computers | Kakatiya University | 1997 |
| 4 | B Tech | Computers | Kakatiya University | 1994 |

Publications:

No. of International Publications : 35

1. Neeraja Koppula and Dr. B.Padmaja Rani, “ **Query Expansion using Semantic Network for Information Retrieval in Telugu Language** “, in International Journal of Recent Technology and Engineering (IJRTE), July 2019, Volume-8, Issue-2, Pg.874-877, ISSN: 2277-3878. (**Scopus**)

2. Neeraja Koppula, "**Identification and recognition of speaker voice using a neural network based algorithms**", in Handbook of Research on Innovations and Applications of AI, IoT, and Cognitive Technologies, 2021. (DOI: 10.4018/978-1-7998-6870-5).(**Scopus, WoS**)
3. Neeraja Koppula, and Dr. B.Padmaja Rani, "**Graph Based Word Sense Disambiguation for Telugu Language**", in International Journal of Knowledge Based and Intelligent Engineering Systems, April 2018, Volume-23, Issue-1, Pg.55-60, ISSN: 1327-2314. (**Scopus, WoS**)
4. Neeraja Koppula and Dr.B. Padamaja Rani, "**Word Sense Disambiguation Using Knowledge based Approach in Regional Language**", in Journal of Advanced Research in Dynamical and Control Systems, April 2018, Volume-8, Issue-5,Pg.109-111. ISSN: 1943-023X. (**Scopus**)
5. Neeraja Koppula, and Dr. Padmaja Rani, "**Hybrid Approaches for Word Sense Disambiguation : A Survey**" in International Journal of Applied Engineering Research, October 2015, Volume-10, Issue-23, PP. 43891-43895. ISSN:0973-4562. (**Scopus**)
6. Neeraja Koppula and Dr. Padmaja Rani, "**Query Expansion Using synset on Telugu Text Corpus**", in International journal of Electronics Communication and Computer Engineering", June 2013 ,Volume-4, Issue-6, Pp.163-166, ISSN: 2249-071X, (**UGC-Approved**).
7. Neelamadhab Padhy , Rasmita Panigrahi & K. Neeraja, "**Threshold estimation from software metrics by using evolutionary techniques and its proposed algorithms, models**", in Evolutionary Intelligence - Springer, February 2021, Volume-14, PP: 315-329, (**Scopus**)

8. Y. ChandraMohan, K. Srujan Raju, K. Neeraja, "**E-Library using the Mobile OPAC**", International Journal of Computers & Technology, October 2013, Volume - 10, Issue- 5, PP: 1682-1686, **(UGC-Approved)**.
9. K. Madhuri, Y. Chandramohan Reddy Reddy, K. Neeraja, "**Distributed OPAC System Using Z39.50 Protocol**", International Journal of Computers & Technology, August 2013, Volume - 10, Issue- 5, ISSN: 22773061, **(UGC-Approved)**.
10. Neeraja Koppula, Tadikonda Krishnasahiti, Yerram Akhil, "**Web Revisitation using Content and Context Tokens**", International Journal of Recent Technology and Engineering (IJRTE), May 2020, Volume - 9, Issue- 1, ISSN: 2277-3878, **(UGC-Approved)**.
11. Neeraja Koppula, Vrinda Prabhakaram Ganti, Pranith Gandhe, "**URL Based Phishing Detection**", International Journal of Recent Technology and Engineering (IJRTE), May 2020, Volume - 9, Issue- 1, ISSN: 2277-3878, **(UGC-Approved)**.
12. Neeraja, Pradeep Kumar J, "**Predictive Mechanism for Medicines Availability in Government Health Centers**", International Journal of Engineering and Advanced Technology (IJEAT), February 2020, Volume - 9, Issue- 3, ISSN: 2249-8958, **(UGC-Approved)**.
13. Dr. S. Sai Satyanarayana Reddy, Ch. Mamatha, E. Ravi Kumar, P. Buddha Reddy, K. Neeraja, "**Human Like Cognitive Robotics**", International Journal of Pure and Applied Mathematics, June 2018, Volume - 120, Issue- 6, PP: 3129-3136, ISSN :1314-3395, **(UGC-Approved)**.
14. P. Madhuri, K. Neeraja, Dr. K. Srinivas Rao, Sk. Khaja Shareef, "**A Review on Frequent Itemset Mining Methods in Data Mining**", International Journal of Pure and Applied Mathematics, June 2018, Volume - 120, Issue- 6, PP: 3605-3615, ISSN :1314-3395, **(UGC-Approved)**.

- 15.K. Neeraja, " **Minimizing Communication Traffic in Data Centers With Power-Aware Vm Placement**", International Journal of Pure and Applied Mathematics, August 2018, Volume - 120, Issue- 6, PP: 11841-11854, ISSN :1314-3395, (**UGC-Approved**).
- 16.K. Neeraja, " **A Novel Steganographic Approach: Embedding Secret Text In Video**", International Journal of Pure and Applied Mathematics, August 2018, Volume - 120, Issue- 6, PP: 11855-11877, ISSN :1314-3395, (**UGC-Approved**).
- 17.Dr.K.Kiran Reddy, M.Pallavi, K.Neeraja, T. Jagadeesh, " **Organizing Disaster Relief Operations Using Smart Phone/Pda Based Peer-To-Peer Communication**", International Journal of Pure and Applied Mathematics, June 2018, Volume - 120, Issue- 6, PP: 3237-3247, ISSN :1314-3395, (**UGC-Approved**).
- 18.K. Neeraja. Dr. B. Padmaja Rani, " **Approaches for Word Sense Disambiguation: Current State of The Art**", International Journal of Electronics Communication and Computer Engineering, May 2015, Volume 6, Issue (5) Sept., NCRTCST-2015, ISSN 2249-071X, (**UGC-Approved**).

Conference Publications:

- 19.Neeraja, Dr.B.Padmaja Rani, 2018, published paper "**Word Sense Disambiguation in Telugu Language using Knowledge Based Approach**" in ICCII -2018 (3rdInternational Conference on Computational Intelligence and Informatics) conducted by JNTUCEH, in Association with Springer DOI 10.1007/978-981-15-1480-7_13 pp 153-161. (**Scopus**)
- 20.Neeraja Koppula, B. Padmaja Rani and Koppula Srinivas Rao, " **Graph Based Word Sense Disambiguation**", in **ICCII 2016 Proceedings of the First International**

Conference on Computational Intelligence and Informatics”, Springer, 2017. DOI 10.1007/978-981-10-2471-9_64. **(Scopus)**

21. Neeraja Koppula , Dr.Koppula Srinivas Rao, Suresh Chandra Satapathy, published a paper Title “**Data Clustering Using Social Group Optimization Algorithm** “ in the ICICT 2018 conference proceedings by Springer AISC [ISSN Number - 2194-5357] held at Brunel University London. **(Scopus)**

22. Neeraja, 2012, ‘**Telugu Items Search by key Phrase Analysis – Information Retrieval in Telugu Languages**’, in the International Conference on Recent Advances in Science & Engineering(ICRASE 2012), Hyderabad, India (ISBN : 978-81-923541-0-6). **(Scopus)**

23. K. Neeraja, " **Query Expansion using synsets on telugu text corpus**", National Conference on Recent Trends in Computer Science and Technology (NCRTCST)-2013.

24. K. Neeraja, " **Performance of Information Retrieval in Telugu Language**", National conference on Information Systems and Knowledge Engineering, 2013.

25. K. Neeraja, "**Difference Expansion based Near Reversible Data Hiding Scheme**", First International Conference on Artificial Intelligence and Cognitive Computing (pp.613-619), DOI:[10.1007/978-981-13-1580-0_59](https://doi.org/10.1007/978-981-13-1580-0_59). **(Scopus)**

26. Neeraja Koppula, K. Srinivasa Rao, B. VeeraSekharReddy, " **Word Sense Disambiguation Using Context Dependent Methods**", 5th International Conference on Trends in Electronics and Informatics , June 2021, ISBN: 978-1-6654-1571-2, **(Scopus)**

27. G Kiran Kumar; D Malathi Rani; [Neeraja Koppula](#); [Syed Ashraf](#), **Prediction of House Price Using Machine Learning Algorithms**", 5th International Conference on Trends in Electronics and Informatics , June 2021, ISBN: 978-1-6654-1571-2, **(Scopus)**

28. [Neeraja Koppula](#), K. Srinivasa Rao, G Kiran Kumar, " **Word Sense Disambiguation System for Information Retrieval in Telugu Language**", International Conference on Emerging Applications of Information Technology , Feb-2021, PP: 233-242, ISBN: 978-981-16-4435-1, (**Scopus**)
29. [Neeraja Koppula](#), K. Srinivasa Rao, Pranith G, "**Deep Learning based Lip Movement Technique for Mute**", International Conference on Communication and Electronics Systems, May-2021, ISBN: 978-0-7381-1405-7, (**Scopus**)
30. J. PradeepKumar, Neelakanta Rao P, [Neeraja Koppula](#), " **Secure Data Sharing in Images Using Cryptographic Approach**", International Conference on Emerging Applications of Information Technology , Feb-2021, PP: 356-364, ISBN: 978-981-16-4435-1, (**Scopus**)
31. G Kiran Kumar; D Malathi Rani; [Neeraja Koppula](#); Jeethu philip, "**Food calorie estimation using image AI with Retina Net Feature**", International Conference on Emerging Applications of Information Technology , Feb-2021, PP: 356-364, ISBN: 978-981-16-4435-1, (**Scopus**)
32. K. Neeraja, "**A Fast Correlated cluster based approach for high dimensional data using subspace selection**", IC3T 2K14 organized by dept. of CSE, CMRTC.
33. K. Neeraja, " **Real time malicious bot detection for twitter**", ICAAMM 2021, AIP Conference proceedings. (Presentation completed, awaiting for publication). (**Scopus**)
34. K. Neeraja, "**cyber attack detection in network using Machine Learning**", ICAAMM 2021, AIP Conference proceedings. (Presentation completed, awaiting for publication). (**Scopus**)
35. K. Neeraja, "**Certificate verification using Block Chain Technology**", ICAAMM 2021, AIP Conference proceedings. (Presentation completed, awaiting for publication). (**Scopus**)

Experience:

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| Teaching | 20 years |
| Industry | NIL |
| Research | NIL |
| Total Experience | 20 years |

