




## K. S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bangalore-560109.

<b>Faculty Name</b>	Ranjana S Chakrasali	
<b>Designation</b>	Assistant Professor	
<b>Educational Qualification</b>	M.Tech (CSE)	
<b>Experience in Years</b>	Teaching: 13 Industry :4	
<b>Areas of Interest</b>	Natural Language Processing, Machine Learning, Python Programming, Data Analytics, Computer Graphics	
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### Educational Details

Examination/ Degree	College / University	Year of Passing
UG	Tontadarya College of Engineering, Gadag	2002
PG	B N M Institute of Technology, Bangalore	2012
PhD	Pursuing PhD, VTU	

### Publications

#### Journal Publications:

1. Vimuktha E Salis, Ranjana S Chakrasali, Pathanjali, C, “An Efficient Approach for Document Categorization Using Weighted Sum”, (2020) In: Kumar, A., Paprzycki, .., Gunjan, V. (eds) ICDSMLA 2019. Lecture Notes in Electrical Engineering, vol 601. Springer, Singapore. [https://doi.org/10.1007/978-981-15-1420-3\\_73](https://doi.org/10.1007/978-981-15-1420-3_73)
2. Pathanjali C, Ranjana S. Chakrasali, Vimuktha E. Salis , Usha C. R. ,“A novel approach to improve the LZW data compression algorithm”, *International Journal of Advance Research, Ideas and Innovations in Technology*, ISSN: 2454-132X, Volume 5, Issue 3, Page No 2220-2224, June 2019.
3. Ranjana S Chakrasali, “Auto Storyboard Generation Using Web Search Log”, *International Journal of Research and Scientific Innovation*, Volume 6, Issue 6, June 2019, Page No 61- 64.

4. Deepika R. Chimkode, Ranjana S Chakrasali , “Tracking and Recognition of Multiple Human and Non-Human Activities”, *International Research Journal of Engineering and Technology (IRJET)*, Volume 6, Issue 8, Aug 2019. e-ISSN:2395-0056, p-ISSN:2395-0072, Page No 405-408. [www.irjet.net](http://www.irjet.net)
5. Deepika R. Chimkode, Ranjana S Chakrasali, “A Survey On Human Action Recognition”, *International Research Journal of Engineering and Technology (IRJET)*, Volume 6, Issue 5, May 2019.
6. Ranjana S Chakrasali, “A Survey On Text Classification Using Machine Learning Algorithms”, *International Research Journal of Engineering and Technology (IRJET)*, May 2019.
7. Sajitha N and Ranjana S Chakrasali, “Precision Farming and Big Data”, *International Research Journal of Engineering and Technology*, Volume 5, Issue 6, June 2018.
8. K. Deepashree, Ranjana S Chakrasali, “Detection and Prevention of Attacks in Wireless Sensor Networks: A Survey”, *International Digital Library for Technology and Research*, Volume I, Issue III, ISSN: 2465-3289, April 2017.
9. K. Deepashree N, Ranjana S Chakrasali, “Detection and Prevention of Attacks in Wireless Sensor Networks” *International Journal of Trend in Research & Development*, Volume 4, Issue 3, ISSN: 2394-9333, Jan-Feb 17.

#### **Conference Papers :**

1. First International Conference on Technologies for Smart Green Connected Society, “Interactive Virtual Reality (VR) an aid for Self-Paced Learning, 29th- 30th November 2021, online mode
2. International Conference on Data Science, Machine Learning and Applications, “An Efficient Approach for Document Categorization using Weighted Sum” at CMRIT, Hyderabad, Telangana on 29th - 30th March 2019.
3. Dr. Udaya Kumar Reddy K.R and Ranjana S Chakrasali, Computing Wiener index of Fibonacci weighted tree, *Foundations of Computer Science & Technology*, at Chennai, pp 471-478, Corpus ID: 9120849, DOI - [10.5121/csit.2012.2346](https://doi.org/10.5121/csit.2012.2346), July 2012.

#### **Awards**

1. Patent Applied on “Big data model with lower cost and efficient security

constraints for new generation medical systems”, Application No.202141044793.

## Professional Membership

1. Life member of ISTE

2.

3.

## Contact Details

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Bangalore-560109

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