




# K. S. INSTITUTE OF TECHNOLOGY

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

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|----------------------------------|--|---|
| <b>Faculty Name</b>              | Dr. Rekha B Venkatapur   |  |
| <b>Designation</b>               | Professor & Head   |   |
| <b>Educational Qualification</b> | Ph.D   |   |
| <b>Experience in Years</b>       | 29   |   |
| <b>Areas of Interest</b>         | Data Mining, Data Science, Computer Networks, Image Processing |   |
| <b>E-mail</b>                    | rekhabvenkatapur@ksit.edu.in                                   |   |

| Educational Details    |  |                    |
|------------------------|--|--------------------|
| Examination/<br>Degree | College / University                       | Year of<br>Passing |
| Ph.D                   | JNTUH                                      | 2016               |
| M. Tech (CSE)          | BMS College of Engineering, VTU University | 2004               |
| BE(CSE)                | BEC, Bagalkot, KUD                         | 1988               |

## Publications

### Journal Publications:

1. Journal of Chengdu University of Technology, Vol 26, Issue 9, ISSN-1671-9727, Sept 2021, <http://cdjournal.com> Paper Title "A Literature Survey on various Lossless and Lossy Data Compression Techniques."
2. Springer - Journal of the Institutions of Engineers, Series B ISSN:2250-2106, June 2021 Springer - <https://doi.org/10.1007/s40031-021-00594-6> Paper Title "COVID-19 Effect on Supply and Demand of Essential Commodities using Unsupervised Learning Method "
3. Journal of Emerging Technology and Innovative Research (JETIR), May- 2019, Volume 6, Issue 5, ISSN- 2349- 5162, I.F 5.87 Paper Title "Decentralized File Sharing System Using- IPFS "
4. Asian Journal of Convergence in Technology (AJCT), April- 2019, Volume V, Issue I, ISSN NO:2350- 1146, I.F-5.11 Paper Title "A Survey on Motion Detection by Image Stitching techniques "
5. International Research Journal of Engineering and Technology (IRJET), Feb-2019, Volume 6, Issue 2, e- ISSN:2395-0056, p-ISSN:2395-0072, Impact Factor-7.21 Paper Title "Review on Human Action Detection in Stored Videos using Support Vector Machine "
6. International Journal of Innovations in Engineering and Science (IJIES), 2018, Volume 3, Issue 3, e-ISSN- 2456-3463 Paper Title "Electronic Voting Machine Based On Blockchain Technology and Aadhar

Verification “

7. International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSCCE) ISSN: 2454- 4248, PP52-454 Paper Title “Raithara Bandu – A Digitalized Approach “
8. IOSR Journal of Computer Engineering (IOSR-JCE), May-June 2018, Volume 20, Issue 3, e-ISSN- 2278-0661, p-ISSN:2278-8727 paper Title “THERABOT an Artificial Intelligence Therapist at Your Fingertips “

### **Conference Papers :**

1. International Conference on “Global Convergence in Technology, Entrepreneurship, Computing and Value Engineering: Principles and Practices” (IGCP – 2021) organized by Sapthagiri College of Engineering, Held on 16th and 17th of July 2021. Paper Title” A Survey on Application of Deep Learning : Unsupervised Autoencoder “
2. International conference on AAICM -2020 of organized by DSCE on 9th Dec 2020. Paper Title “Multi Scale Recurrent Yolo(MSRYOLO) Object Detection Surveillance System “
3. 4th National Conference on “Emerging Trends in Information Technology – NCETIT – 2021” Organized by department of Information Science and Engineering, DBIT – Bengaluru held on 19-07-2021 and 20-07-2021 Paper Title “Voice Based E-Prescription”
4. Innovative Research Advances in Engineering Applications and Processes, National Conference Proceedings, ISBN : 978 93 85682 65 0 at Jyothy Institute Of Technology, Bengaluru, August 2020. Paper Title “Human Activity Recognition in Videos Using SVM “
5. International Research Journal of Engineering and Technology (IRJET), Volume 6, Issue 12, ISSN: 2395-0072, PP- 1-3, Dec 2019 Paper Title “Stock Market Prediction Using Financial News Articles “
6. Alochana Chakra Journal, Volume IX, Issue VII, ISSN NO:2231-3990, July 2020. Paper Title “A Survey On Application Of Deep Learning: Unsupervised Auto Encoder”
7. International Conference on Innovative Research in Engineering Management and Sciences, International Journal of Scientific Research in Computer Science, engineering and Information Technology, Volume 4, Issue 9 ISSN:2456-3307, Dec 2019 Paper Title “Enhancement of Signature Schemes for Heightening Security in Block chain”

### **Awards/Recognition**

1. BoS Member CSE/ISE Board, VTU : 2019 - 2022
2. Session Chair / Reviewer in the "6th National Conference on Advancements In Information Technology"(NCAIT-2020), organized by the Department of Information Science & Engineering, JSSATE, Bengaluru.
3. Conference Paper Reviewer at International Conference on multidisciplinary Technologies and challenges in industry – 4.0

## **Professional Membership**

- 1. Life member ISTE no: LM15102**
- 2. Fellow IEI No: F-121672-0**
- 3. CSI Membership: F8000118 (Validity till 2022)**

## **Contact Details**

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