



## CHANDRAKANTHA T S

Electronics Lecturer

### OBJECTIVE

To secure a position as an Electronics Lecturer that leverages my extensive experience, passion for teaching, and dedication to fostering an enriching learning environment.

### ADDRESS

S/o, Sathyanarayana T S  
#5 Tholalemane, Ginikallu  
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### CONTACT

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Google Scholar :  
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## PROFESSIONAL EXPERIENCE: 06 YEARS

- PG: 05 Years,04 Months**
  - 2019-Present
  - Guest Lecturer, Department of PG Studies and Research in Electronics, Kuvempu University.
- UG: 08 Months**
  - 2018-2019
  - Guest Lecturer, Department of Electronics, Govt. First Grade College, Shikaripura.

## EDUCATIONAL QUALIFICATIONS

- Doctor of Philosophy(PhD): Pursuing, Kuvempu University**
  - Guide: Dr. Basavaraj N Jagadale
  - Area of Research: Medical Image Processing
- Master's Degree: M.Sc., Electronics [82.12% First Rank]**
  - Mangalore University, Mangalagangothri - 574 199
- Bachelor's Degree: B.Sc. Electronics [PME] [67.31% Topper]**
  - Sahyadri Science College, Shimoga- 577203
- Pre-University Course(PUC): Science [PCME] [58.66%]**
  - Govt. Pre University College, Thirthahalli- 577432
- Secondary School Leaving Certificate(SSLC) [69.76%]**
  - Govt. High School Yadur- 577448

## OTHER DETAILS

- Industry Experience and Certification: 01 Year, Emertxe Certified Embedded Professional - Advanced (ECEP), Emertxe-Bangalore.**
- Number of Articles Published: 04**
- Conference Papers: 09**
- Book Chapter: 01**
- Workshops Attended: 05**
- Seminars Attended: 03**
- Prathibha Puraskara Award: 03**
- Prathibha Karanji and Science Exhibition Award:16**
- Co-curricular interest:**
  - Embedded System, Robotics and AI Workshop Facilitator
  - Student Project Mentor

## COURSES TAUGHT

- Machine Learning
- PIC and ARM Microcontrollers
- Embedded Systems
- Advanced Digital Communication System
- VLSI
- Power Electronics
- Analog and Digital Electronics

## SOFTWARE AND HARDWARE SKILLS

### Software Skills:

- Embedded C Programming
- Python Programming
- Keil and Mikroc Pro
- Machine Learning and Deep Learning Model Building

### Hardware Skills:

- PIC and ARM Interfacing
- Arduino and Raspberry Pi
- Analog and Digital Circuit Building

## PUBLICATIONS

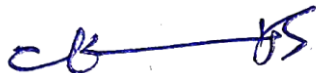
1. Chandrakantha TS, Jagadale BN, Alnaggar OAMF. (2024) Lung Tumor Classification using Hybrid Deep Learning and Segmentation by Fuzzy C Means. *Indian Journal of Science and Technology*. 17(1): 70-79. <https://doi.org/10.17485/IJST/v17i1.2124>.
2. C. . T S, B. N. . Jagadale, A. . T E, and O. A. M. . Farhan Alnaggar, "Automated Identification and Localization of Brain Tumor in MRI Using U-Net Segmentation and CNN- LSTM Classification", *IJRITCC*, vol. 11, no. 10s, pp. 637-644, Oct. 2023.
3. "Improved Breast Cancer Classification Using Wavelet-Based Feature Extraction And Ensemble Learning", Chandrakantha T S, Basavaraj N Jagadale, Abhisheka T E, *Eur. Chem. Bull.* 2023, 12(7), 620-637.
4. "Wavelet based Image Denoising using NL Means Filter and NeighSure Shrink", S Chandrakantha, Basavaj N Jagadale, BS Priya, Mukund N Naragund, *Goya Journal* 16 (6), 80-91, 2023.
5. T. S. Chandrakantha, B. N. Jagadale, G. R. Madhuri, O. A. M. F. Alnaggar, T. E. Abhishek and H. N. Swaroopa, "Review on Brain Tumor Segmentation and Classification using Artificial Intelligence," 2023 IEEE International Conference on Contemporary Computing and Communications (InC4), Bangalore, India, 2023, pp. 1-6, doi:10.1109/InC457730.2023.10262833.
6. Madhuri, G.R., Jagadale, B.N., Salma, N., Akshata, G.M., Gupta, A., **Chandrakantha, T.S.** (2024). Machine Learning-Based Pattern Recognition Models for Image Recognition and Classification. In: Guru, D.S.,

7. T. S. Chandrakantha, B. N. Jagadale and G. R. Madhuri, "A Survey on Artificial Intelligence-based Lung Tumor Segmentation and Classification," 2022 International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics ( DISCOVER), Shivamogga, India, 2022, pp. 201-206, doi: 10.1109/DISCOVER55800.2022.9974713.
8. Chandrakantha T S, Basavaraj N Jagadale, " Comparative Analysis of U-Net and DeepLab for Automatic Polyp Segmentation in Colonoscopic Frames Using CVC-ClinicDB Dataset", International Journal of Scientific Research in Science and Technology(IJSRST), Print ISSN : 2395-6011, Online ISSN : 2395-602X, Volume 10, Issue 5, pp.612-618, September-October-2023. Available at doi : <https://doi.org/10.32628/IJSRST52310599> .
9. NCCI202348: "Comparative Analysis Of Various Filters For Denoising Of Medical Images", Chandrakantha T S, Basavaraj N Jagadale, Madhuri G R, Omar Abdullah Murshed Farhan Alnaggar, Department of Computer Science, Kristu Jayanti College (Autonomous) NCCI 2023,pp.48-49.
10. "Various Denoising Techniques on Chest X-Ray Images: A Study", ICETEST-2023.
11. "Implementation of Wireless Long Range Hand Gesture Recognition Controlled Robot using NRF24L01" ,Chandrakantha T.S, Basavaraj N Jagadale, Proceedings of International Conference on Innovative Trends in Electronics and Communication (ICINEC-2019, ISBN No:978-93-83985-20-3.
12. "Age Predution And Gender Classification Using Convolutional Neural Networks",Chandrakantha T.S , Basavaraj N Jagadale, (ICINEC-2019, ISBN No:978-93-83985- 20-3.
13. "Design and Development of Autonomous Fire Fighting ROBOT" Basavaraj N Jagadale, (ICINEC-2019, ISBN No:978-93-83985-20-3.
14. "Implementation of real time face recognition using raspberry PI", Basavaraj N Jagadale, (ICINEC-2019, ISBN No:978-93-83985-20-3.

## DECLARATION:

I, CHANDRAKANTHA TS declare that the information provided in this curriculum vitae is true to the best of my knowledge. I am willing to provide additional documentation and references upon request.

Date: 22/06/2024



Signature: \_\_\_\_\_