

Dr.SESHAIAH M

Associate Professor

Dept Of CSE

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Career Objective:

Willing to be part of an organization where I can utilize my skills and work for the growth of the organization with committed spirit.

Subjects Handled:

C, Microprocessor and Microcontroller, Logic Design, Compiler Design, Final Automata and Formal Languages, Database Management Systems.

Educational Qualification:

1. Awarded PhD in Image processing from VTU on 10/03/2022
2. M.Tech in Computer Science and Engineering from VTU in 2010.
3. B.E in Computer Science and Engineering from VTU in 2003.

Publications: Journals:

1. A Paper Titled “ Data Back-Up and Recovery Techniques for Cloud Server Using Seed Block Algorithm“ has been published Int. Journal of Engineering Research and Applications(IJERA) ISSN :2248-9622, Vol. 5, Issue 2(Part 3), February 2015, pp.89-93.
2. A Paper Titled “Big Graph Data Management and Analytics“ has been published Online International Interdisciplinary Research Journal, {Bi-Monthly}, ISSN 2249-9598, Volume-08, Dec 2018 Special Issue (02).
3. A Paper titled “A Comprehensive Survey on Recent Trends and Techniques for Robust Face Detection and Recognition” has been published **International Journal of Emerging Technologies and Innovative Research (www.jetir.org | UGC and issn Approved)**, ISSN:2349-5162, Vol.6, Issue 3, page no. pp20-34, March-2019, Available at : <http://www.jetir.org/papers/JETIR1903904.pdf>
4. A Paper titled “Video Face Detection Using Bayesian Technique” has been presented and published in International Journal of Recent Technology and Engineering (IJRTE), Second International Conference on Emerging Trends In Science & Technologies For Engineering Systems (ICETSE-2019) S J C Institute of Technology, Chickballapur, Karnataka, India, 17th and 18th May 2019 Available in SSRN e Library of ELSEVIER and is Scopus Indexed, ISSN: 2277-3878, Volume-X, Issue-X pp 78-85.
5. A Paper titled “BSF-RCNN-VFR: Background subtracted Faster RCNN for Video based Face Recognition” has been published in International Journal of Engineering Research & Technology(IJERT)IJERT, Volume8, Issue6, June-2019(ISSN:2278-0181), www.ijert.org.
6. A Paper Titled “Evolution of face recognition technologies “ has been published International Journal of Research in Advent Technology, Vol.7, No.6S, June 2019 E-ISSN : 2321-9637 Available online at www.ijrat.org. doi: 10.32622/ijrat.76S201920.

7. A Paper Titled “Impact of Machine Learning On Targeted Advertisement“ has been published International Journal of Research in Advent Technology, Vol.7, No.6S, June 2019E-ISSN:2321-9637 Available online at www.ijrat.org. doi: 10.32622/ijrat.76S201921.
8. A Paper titled “Face Recognition using CNN Trained with Histogram Equalization Based Image Enhancement Scheme” has been presented and published in European Journal of Molecular & Clinical Medicine, Volume -07, Issue 08, JUNE 2020 pp 2940-2950, ISSN 2515-8260 in Ubiquity Press and is also Scopus Indexed.
9. A Paper Titled “ DETECTION AND CLASSIFICATION OF BRAIN TUMOR USING DEEP LEARNING “ has been published Journal of Emerging Technologies and Innovative Research (JETIR | UGC and issn Approved), ISSN :2349-5162, Vol.7, Issue 6. Ppb 430-b441, June-2020, Available at <http://www.jetir.org/papers/JETIR2006402.pdf>.
10. A Paper Titled “ CCTV Surveillance Camera’s Image Resolution Enhancement using SRGAN“ has been published International Journal of ENGINEERING AND TECHNOLOGY (IRJET) VOLUME :07 ISSUE : 06 | JUNE 2020 WWW.IRJET.NET P-ISSN : 2395-0072, E-ISSN: 2395-0056,pp 1512-1519.
11. A Paper titled “Face Recognition for Surveillance Systems using SRGAN” has been published in International Journal of Computer Science and Information Security (IJCSIS), Vol. 18, No.11, November2020 <https://sites.google.com/site/ijcsis/> ISSN 1947-5500, pp 83-89.
12. A Paper titled “FACE DETECTION AND RECOGNITION FROM VIDEOS USING CASCADED DEEP LEARNING AND BAYESIAN LEARNING TECHNIQUE.” has been published International Journal of Advanced Research in Engineering and Technology(IJARET)Volume12,Issue1,January2021,pp.3445ArticleID:IJARET_12_01_005.Avalableonlineat<http://www.iaeme.com/IJARET/issues.asp?JType=IJARET&VType=12&IType=1> SSN Print: 0976-6480 and ISSN Online: 0976-6499 DOI: 10.34218/IJARET.12.1.2020.005 and is also Scopus Indexed.
13. A Paper titled “a google net assisted cnn architecture combined with feature attention blocks and gaussian distribution for video face recognition and verification ” has been published International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 1, January 2021, pp. 30-42, Article ID: IJEET_12_01_004 Available online at <http://www.iaeme.com/IJEET/issues.asp?JType=IJEET&VType=12&IType=1> ISSN Print: 0976-6545 and ISSN Online: 0976-6553 DOI: 10.34218/IJEET.12.1.2021.004 and is also Scopus Indexed.
14. A Paper titled “Comparative Analysis of Various Face Detection and Tracking and Recognition Mechanisms using Machine and Deep Learning Methods “has been published International Journal of Turkish Journal of Computer and mathematics Education(TURCOMAT) Volume 12, No 11, May 2021 pp 215-223, DOI: 10.17762/turcomat. v12i11.5863, Online e-ISSN 1309-4653.
15. A Paper Titled “ ALL TIME MEDICINE AND HEALTH DEVICE(ATMaH) “ has been published International Journal of ENGINEERING AND TECHNOLOGY (IRJET) VOLUME :08 ISSUE : 05 | MAY 2021 WWW.IRJET.NET P-ISSN : 2395-0072, E-ISSN: 2395-0056,pp 1-4.
16. A Paper Titled “ MONITORING AND CONTROLLING OF FOREST ENVIRONMENT USING IOT AND WIRELESS SENSOR NETWORKS“ has been published International Journal of ENGINEERING AND TECHNOLOGY (IRJET) VOLUME :08 ISSUE : 06 | JUNE 2021 WWW.IRJET.NET P-ISSN : 2395-0072, E-ISSN: 2395-0056,pp 3822-3824.
17. A Paper Titled “ Monitoring Students Using Different Recognition Techniques for Surveillance System“ has been published International Journal of ENGINEERING AND TECHNOLOGY (IRJET) VOLUME :09 ISSUE : 02 | FEB 2022 WWW.IRJET.NET P-ISSN : 2395-0072, E-ISSN: 2395-0056,pp 827-835.
18. A Paper Titled “Product Anti-counterfeiting in Supply Chain Using Blockchain Technology“ has been published International Journal of ENGINEERING AND TECHNOLOGY (IRJET) VOLUME :09 ISSUE : 03 | MAR 2022 WWW.IRJET.NET P-ISSN : 2395-0072, E-ISSN: 2395-0056,pp 1045-1050.

19. A Paper Titled “ A Comprehensive Study on IoT, Threats posed by Security Issues, and Abstraction Techniques “ has been published Journal of Emerging Technologies and Innovative Research (JETIR | UGC and issn Approved), ISSN :2349-5162, Vol.9, Issue 3. Pp d100-d105, March-2022, Available at <http://www.jetir.org/papers/JETIR2203316.pdf>.
20. A Paper Titled “ Recognizing Students Through Surveillance System Using Different Recognition Techniques“ has been published Journal of Emerging Technologies and Innovative Research (JETIR | UGC and issn Approved), ISSN:2349-5162, Vol.9, Issue 6. ppb74-b85, June-2022, Available at <http://www.jetir.org/papers/JETIR2206113.pdf>. DOI: <http://doi.one/10.1729/Journal.30946>.
21. A Paper Titled “ Blockchain Platform For Product Ant counterfeiting In Supply Chain “ has been published *International Journal of Engineering Science Invention (IJESI)* ISSN (Online): 2319-6734, ISSN (Print): 2319-6726 www.ijesi.org || Volume 11 Issue 6 Series I || June 2022 || PP 50-56. DOI: 10.35629/6734-1106015056.
22. A Paper Titled “ Domain Human Recognition Techniques using Deep Learning “ has been published (IJACSA) International Journal of Advanced Computer Science and Applications ISSN: 2158-107X (Print) ISSN: 2156-5570 (Online) Volume 13 Issue 6 June 2022 pp712-716. Available at www.ijacsa.thesai.org Scopus Q2 Journal Digital Object Identifier (DOI) : [10.14569/IJACSA.2022.0130684](https://doi.org/10.14569/IJACSA.2022.0130684).
23. A Paper Titled “ A STUDY ON APPLICATION OF FACIAL RECOGNITION FOR DEVELOPING AN ANDROID APP TO TRACK ATTENDANCE “ has been Published Seybold Publications ISSN: 1533-9211 (Online) Volume 17 Issue 9 Sep 2022 pp180-188. Available at DOI [10.5281/zenodo.7059664](https://doi.org/10.5281/zenodo.7059664) Scopus Q3 Journal. <https://www.semanticscholar.org/author/M.-Seshaiah/72347045>.
24. A Paper Titled “Text Classification using Incremental Learning for many classes of Support Vector Machines “ has been Published International Journal of Scientific Methods in Intelligence Engineering Networks (IJSMIEN) in 2023.
25. A Paper Titled “Face Recognition in Low Resolution Using CNN and Machine Learning Algorithms” has been Published **International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)** In 2023 DOI:[10.15680/IJIRSET.2023.1203021](https://doi.org/10.15680/IJIRSET.2023.1203021).
26. A paper Titled “BONE TUMOUR DETECTION USING IMAGE PROCESSING TECHNIQUES” has been published Journal of Data Acquisition and Processing ISSN: 1004-9037 Vol. 38 (3) 2023 DOI: [10.5281/zenodo.777627](https://doi.org/10.5281/zenodo.777627) .
27. A paper Titled ”An Automatic Rainfall Prediction Using Machine Learning” has been published **International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)** |e-ISSN: 2319-8753, p-ISSN: 2347-6710| www.ijirset.com | Impact Factor: 8.423| **A Monthly Peer Reviewed & Referred Journal** | || Volume 12, Issue 5, May 2023 || | DOI:[10.15680/IJIRSET.2023.1205174](https://doi.org/10.15680/IJIRSET.2023.1205174) |
28. A paper Titled “ Automated Detection of Breast Lump/ Masses through Mammogram Image Analysis” has been published **Journal of Image Processing and Intelligent Remote Sensing** ISSN **2815-0953** Vol: 03, No. 04, June-July 2023 <http://journal.hmjournals.com/index.php/JIPIRS> DOI: <https://doi.org/10.55529/jipirs.34.36.43>
29. A Paper Titled “Image-based Plant Disease Classification for the Management of Crop Health” has been Published **Journal of Research in Engineering and Computer Sciences (JRECS)** **Volume 1, Issue 4, Oct 2023**
30. A Paper Titled” Peli-Remo Optimization Algorithm for Reliable routing in MANET: K-means node clustering process and CNN based Energy Prediction” ” has been Published Tuijin Jishu/Journal of Propulsion Technology ISSN:1001-4055 Vol. 44 No. 4 (2023).
31. A Paper Titled “DEEP LEARNING BASED NETWORK FOR LUNG NODULE SEGMENTATION AND CANCER DETECTION” has been Published yugato ISSN: 0387-5695, eISSN: 0387-5695 Vol. 75 No. 2(2023)

32.A Paper Titled “Deep Learning Approaches for Textbook Recognition and Classification” has been Published 2024 IEEE International Students' Conference on Electrical, Electronics and Computer Science.

33.A Paper Titled “COMPREHENSIVE SURVEY OF VARIOUS MACHINE LEARNING APPROACHES FOR INTRUSION DETECTION SYSTEM AND MALICIOUS URL IN CLOUD COMPUTING” has been published International Journal of Applied Engineering & Technology ISSN: 2633-4828 Vol. 6 No.1, January, 2024

34. A paper Titled “**Image Forgery Detection Based on Fusion of Light Weight Deep Learning Models published on International Journal for Multidisciplinary Research (IJFMR)** E-ISSN: 2582-2160

35.A Paper Titled “CONTINUOUS INTEGRATION, TESTING, DEPLOYMENT AND DELIVERY IN DEVOPS” published on 2024 International Conference on Knowledge Engineering and Communication Systems (ICKECS).

36.A Paper Titled “ Hybrid Machine Learning Approach for Real-Time Malicious URL Detection Using SOM-RMO and RBFN with Tabu Search” published on Scopus indexed Q3 (*IJACSA International Journal of Advanced Computer Science and Applications*, Vol. 15, No. 8, 2024

37.A Paper Titled “ Recognition of Plant disease using Deep Learning Approaches“ published on 2024 International Conference on Knowledge Engineering and Communication Systems (ICKECS) .

38.A Paper Titled “HUMAN AFFECT RECOGNITION USING DEEP LEARNING APPROACHES” published on 2024 International Conference on Knowledge Engineering and Communication Systems (ICKECS)

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National Conference:

1. Video Face Detection Using Bayesian Technique in Scoopers index IJRTE ISSN :2277-3878,volume-8 Issue-IC, May 2019,insc.in.
2. Face Recognition using CNN Trained with Histogram Equalization Based Image Enhancement Scheme", July 2020,insc.in .
3. “*Preventing Block hole Attack in MANETS using Hash Function*” in Recent Trends in Computer Science and Information Technology(NCRTCSIT’15) at SJCIT held on 23rd -24th Apr, 2015.
4. Image enhancement comparison in both spatial and frequency domain with respect to filtering
5. “The Task Allocation on Distributed Servers” in Emerging Trends in Technology (NECT-Tech’12) at Nagarjuna College of Engineering and Technology held on 26th-27th Apr, 2012.

Workshop/Seminars/Conferences:

Attended:

1. FDP on "Big Data Analytics with Deep Learning" from 2020-8-18 to 2020-8-22.
2. AICTE-AQIS sponsored One Week Short Term Training Programme (STTP) on Image Processing and its Application organized by Department of Computer Engineering, Poornima Institute of Engineering & Technology, Jaipur, held from August24. 2020 to August 29, 2020.
3. Three Day Faculty Development Program on “Converting Ideas into Patent Assets” at Dayananda Sagar Academy of Technology and Management, Bangalore-560082.
4. AICTE sponsored One Week Short Term Training Programme (STTP) on Image Processing and its Application organized by Department of Computer Engineering, Poornima Institute of Engineering & Technology, Jaipur, held from September 7, 2020 to September 12, 2020
5. One Week Short Term Training Programme (STTP) on Image Processing and its Application organized by Department of Computer Engineering, Poornima Institute of Engineering & Technology, Jaipur, held from September 21, 2020 to September 26, 2020.
6. FDP on “*Teaching Skills in Engineering Education Institutions*” organized by SJCIT held on 21st Jan, 2015.
7. Workshop on “*Role of Management Representative in Achieving Business Excellence*” organized by Bureau Veritas Certification Pvt. Ltd. Held on 10th – 11th Jul, 2014.
8. Workshop on “*Software Defined Data Centre*” organized by SJCIT held on 9th -10th Jan, 2014.
9. National workshop on “*Big data Analytics*” organized by RVR & JC College of Engineering, held on 17th – 18th Apr, 2013.
10. FDP on “*The journey to private cloud with EMC*” organized by SJCIT held on 26th Mar, 2011.
11. National workshop on “*ARM 9/11Architecture and its Applications*” organized by SJCIT, held on 27th – 29th Jan, 2011.
12. National FDP on “*Electromagnetics and Applications*” organized by SJCIT held on 23rd – 25th Jun, 2010.

13. National Workshop on “Image Processing and Applications” organized by SJCIT held on 8th -9th Oct, 2009.

14. Workshop on “Microprocessor Interfacing” organized by Auden Technology and Management Academy held on 2 April, 2009.

Work Experience:

Organization: S J C Institute of Technology

Designation: Associate Professor

Period: Sep 2004 – Till Date (21 Years)

Title of the M.Tech Thesis: **Multi Core Processor to support network security applications.**

Title of the B.E Thesis: **Remote Server Access**

Field of interest: Information security and Assurance, Computer Architecture, Microprocessor.

University Assignments

- a) Worked as a Deputy Chief Internal and External Examiner.
- b) Worked as a Flying Squad member in VTU Examinations.
- c) Naac Coordinator, NBA Criteria member, Test Coordinator, Timetable-Coordinator
- d) Appraisal Coordinator College Level
- e) Ph.d Supervisor recognized VTU From 2023 to Till Date. Under My supervision Three Research scholars Pursing Ph.d from VTU

Extracurricular activities:

Volleyball, Cricket, Trekking, Kabbadi, Kho-Kho

Personal details:

Date of birth : 15-6-1979

Gender : Male

Nationality : Indian

Yours sincerely

(Dr Sessaiah M)