

Name of Faculty Dr T Sridevi
 Designation Associate Professor
 Nature of Job/Appointment Regular
 Date of Joining 30 - 09 - 2002
 E-mail tsridevi_cse@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (CSE)	-
PG	M. Tech. (CSE)	Distinction
UG	B. Tech. (Civil Engineering)	Distinction

Work Experience

Teaching 21 Years
 Research 07 years
 Industry --
 Others --

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Area of Specialization Computer Vision, Machine Learning, Image Processing
 Professional Memberships IETE, CSI

Responsibilities held at Institution Level

- Member, Academic Council, CBIT 2018-2019
- Member, ARIIA committee, CBIT 2018-2021
- IIC, CBIT 2018-2021
- R and D Coordinator, CSE Dept, CBIT 2019-2020
- Member, NIRF committee, CBIT 2016-Till date
- Member, IQAC, CBIT 2020 -Till Date
- Member, Academic Audit Committee.2020 -Till date
- Convenor, NAAC Committee, CBIT.2020-Till Date

Responsibilities held at Department Level

- Coordinator (CSE, Dept) 2017 -2020
- (CSE) NBA Coordinator 2019
- Coordinator, CSE Dept, CBIT 2019-2020
- PAQIC PAC, CSE Dept, 2017- Till Date
- BOS (B.E-CSE, M.Tech CSE) , CSE Dept Till date
- BOS (B.E-CSE AI-ML) CSE Dept 2020-Till Date
- BOS, (B.E-CSE, IoT- CSE- BCT) CSE Dept Till Date
- Academic Audit Committee.2020 -Till date
- CSE Dept.2017 -Till Date.

Research Guidance Recognized as Supervisor by OU

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level. Programming and Problem Solving, OOPs , Artificial Intelligence, Image Processing, Operating System, Machine Learning

No. of Papers Published SCI Journals: 04 WOS Journals :13
 Scopus Journals : 13

Projects Carried out --

Patent 1:
 Application Number : 202241067887
 Title of the Invention : WIRELESS PEER-TO-PEER NETWORK BASE FOR MANAGING IOT EDGE DEVICES OFF GATEWAY RANGE
 Date of Publishing : 23/12/2022

Patent 2:
 Application Number : 202241074003
 Title of the Invention : Smart Traffic Lights
 Date of Publishing : 20/12/2022

Technology Transfer

Copyright :

Applied for Copyright (Entry Dairy Number: 4042/2022-CO/SW
Entry Dairy Number: 4042/2022

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Reviewer:

1. First International Conference on "Latest Advances in Machine learning and DATA Science" [LAMDA - 2017], during 25 - 27 October, 2017. Department of Computer Science & Engineering National Institute of Technology Goa - 403 401, INDIA.
2. 2nd International Conference on "Recent Trends in Engineering & Technology", from 22-24 February, 2013. Organized by SNJB's Late Sau. K. B. Jain College of Engineering, Chandwad (Nashik), MH, India.
3. IEEE supported International Conference on "Intelligent Systems and Signal Processing" (ISSP2013) during 1-2 March 2013. organized by G H Patel College of Engineering & Technology, India

Conference Chair

Invited Speaker

1. Member, National Advisory Committee for "International Conference on Advances in Computing Applications 2018 (ICACA-18) organized by National Institute of Technology (NIT) in association with Institute for Engineering Research and Publication (IFERP) 26th& 27th February 2018 at National Institute of Technology Srinagar (Garhwal), Uttarakhand.
2. Conference Session Chair- Artificial Intelligence and Cognitive Computing (AICC-2018) 2-3 Feb 2018.
3. Conference Session Chair: 3rd International Conference on Data Engineering and Communication Technology (ICDECT) March 15 & 16, 2019.

Guest Lectures/Expert Lectures

1. Expert Lecture in National Level FDP on Emerging Trends, Issues and Challenges in Big Data and Cloud Computing: ETICBDEC-2017
2. Invited Lecture at BVRIT, Hyd on Machine Learning Algorithms – Nov 2016
3. Invited Lecture at K G Reddy Engg College,Hyd on Applications and Problem Solving Techniques through C - Feb 2020.
4. Invited Lecture at Sreenidhi college of Engg,Hyd on "Simulated Annealing Search.Local Search in Continuous Spaces"—Dec 2020.

No. of Books/Chapter Published with details

1. Sridevi Tumula, Sameen Fathima,"Probabilistic Graphical Models for Medical Image Mining Challenges of New Generation" in Knowledge Computing and its Applications, Vol 2, Springer Publications, ISBN 978-981-10-8258-0, 2017. (Indexed in Scopus).
2. Akella Amarendra Babu, Sridevi Tumula, Yellasiri Ramadevi," Voiceprint-Based Biometric Template Identifications" in Journal The Biometric Computing: Recognition and Registration, Chapman and Hall/CRC, Taylor and Francis Group , ISBN 10: 0815393644 ISBN 13:9780815393641---2019.
3. Vihar Kurama, Samhita, Sridevi Tumula" Detection of Natural Features and Objects in Satellite Images by Semantic Segmentation Using Neural Networks" in Artificial Intelligence Techniques for Satellite Image Analysis ,Volume 24,Pages161-188,Springer Publications, ISBN978-3-030-24177-3--2020

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.Other Trainings (Attended and/or Organized).

1. Participated AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Artificial Intelligence impacts on Telemedicine" from 2-8-2021 to 6-8-2021 at Gokaraju Rangaraju Institute of Engineering and Technology.
2. Participated AICTE Training And Learning (ATAL) Academy

- Online Elementary FDP on "Deep Learning for Visual Computing" from 12-7-2021 to 16-7-2021 at Sri Krishna College of Engineering and Technology.
3. Participated AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Semantic Intelligence: The Way Forward with Artificial Intelligence (Part I)" from 2021-7-1 to 2021-7-5 at National Institute of Technology Kurukshetra.
 4. Participated in IUCEE Annual Leadership Summit -2021 during 9-11 July 2021.
 5. Participated in a Five-day National Virtual Workshop from 16-07-2021 TO 20-07-2021 on "National Education Policy 2020-A Road Map FOR Future for India organized by the YOGI VEMANA UNIVERSITY , Kadapa.
 6. Organised Five-Day International Short Term Training Program (STTP) On Blockchain for Digital Transformation 12th August -16th August 2021 .
 7. Attended the "One Week Short Term Training Program (AICTE Sponsored) on "Data Science and Big Data Analytics" conducted by INDO GLOBAL COLLEGE, ABHIPUR, NEW CHANDIGARH from 30th August 2021 to to 4th September 2021.
 8. Participated in One Week Faculty Development Programme on "Artificial Intelligence & Machine Learning" conducted by GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR-125001, HARYANA from 7th February to 12th February, 2022.
 9. Attended AICTE SPONSORED ONLINE ONE-WEEK FACULTY DEVELOPMENT PROGRAMME On MACHINE LEARNING FOR INTERNET OF THINGS 3rd January, 2022 – 8th January, 2022
 10. Attended in Awareness workshop –NIRF India Rankings for Higher Educational Institutions, IAE in collaboration with Department of Collegiate Education & Technical education, Govt. of Telangana, IAE in collaboration with Department of Collegiate Education & Technical education, Govt. of Telangana, 18-19 Jan 2021 .
 11. Attended National Level online Seminar on Implementation on National Educational Policy-2020 JNTUH College of Engineering, Jagitial AICTE & ISTE--31-03-2021
 12. Attended in Design of Soft Computing based on Machine Learning Models Department of ECE, Panipat Institute of Engineering and Technology AICTE, 26-04-21 to 01-05-2021
 13. Attended in workshop "Building Data-Driven Solutions Using Data Analytics with ML and DL Algorithms" conducted by CSE Department ,CBIT--24 - 28 June, 2021
 14. Participated in a One Week National Level Online Workshop on "Yoga - A Science of Breath and Meditation for Subtle Energy Channeling" organized by Department of Computer Science and Engineering, MGIT in association with Datta Kriya Yoga International Center Mysore and Impact Foundation, Hyderabad during 6th July to 10th July 2020.
 15. Participated in a one week online refresher course on "BHARATEEYA CHAITANYAM" organized by Geervana Bharathi - the Sanskrit Club of CBIT, Hyderabad during 29th June 2020 to 5th July 2020.
 16. Participated in a Five Day International Online Workshop on "Combating COVID-19: It's time to Respond with Resilience", NIT Raipur during 30th June to 4th July 2020.
 17. Successfully Completed "Programming for Everybody (Getting Started with Python)" an online non-credit course authorized by University of Michigan and offered through Coursera on 30th June 2020.
 18. Successfully Completed "Neural Networks and Deep Learning an online non-credit course authorized by deeplearning.ai and offered through Coursera on 30th June 2020.

19. Attended a Leadership Talk webinar by Shri Dipendra Manocha, (Motivational Speaker) held on 27th Jun 2020, MHRD's InnovationCell.
20. Attended a Leadership Talk webinar by Mr. Shridhar Venkat, CEO (Akshay Patra Foundation) held on 20th Jun 2020, MHRD's InnovationCell.
21. Attended a Leadership Talk webinar by Shri R Subrahmanyam, IAS (Secretary Ministry of Social Justice & Empowerment) held on 13th Jun 2020 , MHRD's Innovation Cell.
22. Attended a Leadership Talk webinar by Dr. Nilesh N Oak, Expert (Indian Civilization & History) held on 30th May 2020, MHRD's Innovation Cell.
23. Participated in the IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28th April to 22nd May 2020 during COVID-19 nationwide lockdown.
24. Participated in a 5-Day-National Level Online Faculty Development Program on "Artificial Intelligence", organized by Department of CSE &IT in association with NYCI & Brainovision Solutions India Pvt. Ltd., during 22nd May to 26th May 2020.
25. Attended a webinar on "Future of AI" organized by IETE-Mumbai in association of PanTech Solutions on 20th May 2020.
26. Attended a Leadership Talk webinar by Dr. Pramod Chaudhari, Founder, Chairman, Praj Industries Limited and Dr. Abhay Jere, Chief Innovation Officer MHRD Innovation Cell, 16th May 2020 by MHRD's Innovation Cell.
27. Attended an online Faculty Program on NBA organized by Bharati Vidyapeeth College of Engineering, Navi Mumbai on 13th May 2020
28. Attended a Leadership Talk webinar by Prof D. P. Singh, Chairman UGC Broadcasted on 9th May, 2020 by MHRD's Innovation Cell.
29. Participated in a One Week Online Faculty Development Program on "Outcome Based Education (OBE) and NBA Accreditation Process (UG)" organized by CBIT, Hyderabad during 28th May 2020 to 1st June 2020.
30. Participated in AICTE sponsored One Week Online Faculty Development Program on "Outcome Based Education: A Step Towards Excellence" under Margdarshan Scheme of AICTE, New Delhi organized by Govt Engg College, KARAD during 11-05-2020 to 15-05-2020.
31. Organized a Guest Lecture on "Professional Certification Program in AI and Emerging Technologies at IITH" at CBIT conducted by TalentSpirit on 2nd March 2020.
32. Session Chair: 3rd International Conference on Data Engineering and Communication Technology (ICDECT) 15-03-2019, 16-03-2019.
33. Attended a National level workshop on "National level workshop on NIRF Rankings", at JNTUH conducted by Technical Educa JNTUH and Institute of academic excellence, Hyderabad during 18- 10-2019 to 19-10-2019.
34. Attended a National level summit on "Business and Research in Artificial Intelligence Network Summit" at CBIT conducted by MUST Research and NASSCOM on 28-09-2019.
35. Attended an Orientation Program "Regional Orientation Session on IIC 2.0 and ARIIA 2020" at University of Hyderabad, organized by MHRD's Innovation Cell on 02-08-2019.
36. Organized DjangoCamp at CBIT By Swecha and CBIT Open Source Community In association with Python Software Foundation and Hyderabad Python User Group during 6th to 7th October 2017.

Details of Journal Publications/
Conferences (National and
International)

International Conference :

1. Yellasiri, R., Tiruvayipati, S., Tumula, S., Reddy, K.K. (2022). A Peer-to-Peer Approach for Extending Wireless Network Base for Managing IoT Edge Devices Off-Gateway Range. Smart Intelligent Computing and Applications, Volume 1. Smart Innovation, Systems and Technologies, vol 282. Springer, Singapore.
2. Dr T Sridevi, K Mary Sudha Rani & Darai Rupa Maya. (2022). Paddy Leaf Disease Detection Using Mask Region based Convolutional Neural Network (Mask R-CNN). Journal of Optoelectronics Laser, 41(5), 579–587.
3. K Mary Sudha Rani , Dr T Sridevi. (2022). Contactless Gesture Based Interaction with Devices. Journal of Optoelectronics Laser, 41(5), 572–578.
4. H. Bandarupally, H. R. Talusani and T. Sridevi, "Detection of Military Targets from Satellite Images using Deep Convolutional Neural Networks," *2020 IEEE 5th International Conference on Computing Communication and Automation (ICCCA)*, Greater Noida, India, 2020, pp. 531-535, doi: 10.1109/ICCCA49541.2020.9250864.
5. Dr Sridevi Tumula, Sai Vinitha Yeggadi, V. Indira Priyadarshini, "Pluto: AI-Based Meeting Scheduler", JETIR June 2021, Volume 8, Issue 6, ISSN: 2349-5162
6. Kunal Teeda, Nandini V, T. Sridevi, "Analysis Of Weather Attributes To Predict Crops For The Season Using Data Mining", International journal of pure and applied mathematics, Volume 119 No. 12 2018, 12515-12521, ISSN: 1314-3395 (on-line version) url: <http://www.ijpam.eu> Special Issue.
7. T. Sridevi , Dr. Sameen Fatima, "Securing Image Using Encryption and Database Techniques" in International conference ICICSIT 2015 on 28th Aug 2015. (Springer Advs in Intelligent Syst., Computing, Vol 439).
8. Tumula Sridevi , Dr. Sameen Fatima "Watermarking Algorithm using Genetic Algorithm and HVS", International Journal of Computer Applications (0975 – 8887) Volume 74– No.13, July 2013.
9. T. Sridevi, Dr. Sameen Fatima, "Digital Image Watermarking using Fuzzy Logic approach based on DWT and SVD", International Journal of Computer Applications (0975 – 8887) Volume 74– No.13, July 2013.
10. Tumula Sridevi , V. Vijaya Kumar "A Robust Watermarking Algorithm Based on Image Normalization and DC Coefficients", IJCSI International Journal of Computer Science Issues, Vol. 8, Issue 5, No 2, September 2011.
11. T. Sridevi, K. Swapna, V. Vijaya Kumar , "Comparative Analysis of Normalization based Image Watermarking Techniques", International Journal of Computer Applications (0975 – 8887) Volume 27– No.3, August 2011.
12. Y. Ramadevi, T. Sridevi, B. Poornima, "Threshold Based Edge Detection Algorithm", ICGST International Journal on Graphics, Vision and Image Processing, GVIP, Dec 2011.
13. Y. Ramadevi, T. Sridevi , B. Poornima, B. Kalyani, "Segmentation And Object Recognition Using Edge Detection Techniques", International Journal of Computer Science & Information Technology, Vol. 2 No 6 Dec 2010 pp 153-161. ISSN:0975-9646.
14. Y. Ramadevi, B. Kalyani, T. Sridevi, "Synergy between Image Segmentation and Object Recognition", International Journal on Computer Science and Engineering (IJCSE) , Vol. 02, No. 08, 2010, 2767-2772. e-ISSN:0976-5166
15. T. Sridevi, Y. Ramadevi, V. Vijay kumar "Secure Watermarking based on svd and wavelets" ICGST International Journal on Graphics, Vision and Image Processing, GVIP, Dec 2010, vol V, pages 63-69.
16. T. Sridevi, et al, "Image Filter Selection, Denoising and Enhancement based on Statistical Attributes of Pixel Array", 6th International Conference on Advanced Computing, Networking, and Informatics. NIT Silchar [ICACNI - 2018], 04 - 06 June 2018. (Springer)
17. T. Sridevi, et al, "A Wavelet Based Digital Image Watermarking for Broadcast Monitoring using Genetic Algorithm", 6th International Conference on Advanced Computing, Networking, and Informatics. NIT Silchar [ICACNI - 2018], 04 - 06 June 2018. (Springer)
18. T. Sridevi, et al, "Comparative Analysis of Data Mining Models for Crop Yield by Using Rainfall and Soil Attributes", Second International Conference on Inventive Communication and Computational Technologies (ICICCT), 20-21 April 2018. (IEEE Xplore).
19. T. Sridevi, et al, "A Novel Approach for Detection of Copy-Move Forgery Detection using Transform Domain", Second International Conference on Inventive Communication and Computational Technologies (ICICCT), 20-21 April 2018. (IEEE Xplore).
20. Sridevi et al, "Automatic Generation of Traffic Signal Based on Traffic Volume", 7th IEEE International Advance Computing Conference, Jan 5-7 2017. (IEEE Xplore).
21. T. Sridevi et al, "Vehicle Identification Based on Model", 7th IEEE International Advance Computing Conference, Jan 5-7 2017. (IEEE Xplore).

22. T.Sridevi et al, "Securing Image Using Encryption and Database Techniques", International Conference on Innovations in Computer Science & Information Technology - ICICSIT 2015, 28th & 29th August 2015.
23. T.Sridevi , Dr.Sameen Fatima,"Digital Image Watermarking Using Genetic Algorithm in DWT and SVD Transform" International Conf on Recent Trends in communication and computer networks(ComNet 2013),Nov 8-9 ,2013. .(IEEE Xplore).
24. T.Sridevi, T.Ramya, Y.Ramadevi, V. Vijay kumar, "A Robust Watermarking Algorithm based on Image Normalization", 2nd International Conference on Information Technology for Real World Problems, VCON '10, Dec 9-11, 2010.(IEEE Xplore).
25. T.Sridevi, B.Krishnaveni, Y.Ramadevi, V. Vijay kumar , " A video Watermarking Algorithm for MPEG videos", ACM-W celebration of Women in Computing, (A2CWIC 2010), Coimbatore, India. Sep 16th - 17th 2010. pp 173-178. (ACM)
26. T Sridevi, Dr. V. Vijay Kumar "Watermarking: Wavelet transform and CDMA" International Conference on Latest Trends in Simulation Modeling and Analysis (COSMA), NIT Calicut, Dec 17-19, 2009.



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