

Name of Faculty : **Dr. M SWAMY DAS**  
 Designation : Professor  
 Nature of Job/Appointment : Regular(1-442517449)  
 Date of Joining : 10-02-1997  
 E-mail : msdas\_cse@cbit.ac.in



<b>Education Qualifications</b>	<b>Name of the Degree</b>	<b>Class</b>
<b>Ph. D.</b>	: Doctor of Philosophy (CSE) - JNTUH	Awarded
<b>PG</b>	: M. Tech. (Computer Science Engineering) - JNTUH	Distinction
<b>UG</b>	: B. E. (Computer Science Engineering)- OUCE	First Class
<b>Certifications</b>	: CMI Level 5 – Management and Leadership – under AICTE-UKIERI - Dudley College	Awarded

**Work Experience:**

Teaching	32 Years
Research	16 years
Industry	01 year
Others	01 year (Training)

**Area of Specialization:** Machine Learning, Image Processing.

**Professional Memberships:**

1. Life Member, ISTE (33902)
2. Life Member Computer Society of India (CSI) -
3. Life Member, IETE(M-177218)

**Responsibilities held at Institution Level**

- Member, Internal Purchase Committee
- Convener- Innovation-Teaching, Learning & Evaluation Committee.
- In-charge, CAMU ERP.
- Joint Director-Academics (Informatics) 1st June 2020 to 28th Feb 2023.
- Head, CSE Dept., Aug-2017 to May-2020 & March-2023 to Aug-2023.
- CSE Board of Studies Chairperson, Aug-2017 to May-2020 & March-2023 to Aug-2023.
- Member, Academic Council of CBIT from 07-10-2017 to 01-06- 2020 and from 2013 to 2015.
- Member of NITTTR, Academic Audit Committee, IQAC, Academic Planning & Evaluation, Ethics, NBA, NAAC, NITTR, Institute Development, Institute Disciplinary and other Committees.

**Responsibilities held at Department Level**

- UG NBA Coordinator
- MTech Coordinator, May 2014 to July 2016.
- PG NBA Coordinator (MTech), Dec 2016 to July 2017.
- PAC member, Convener, CEG, CC.
- Labs establishment, Campus WiFi, LMS
- CBIT Open Source Community Club, 2013 to 2017.

**Research Guidance**

Guided **11 Research Scholars**, out of which **10 Ph. Ds.** awarded.  
 Set up a Skill and Personality Development Center for SC/ST students, sponsored by AICTE under SPDP Scheme- 12.44 Lakhs.

**Awards Received**

1. **CMI Level 5 Award** – AICTE-Dudley College, UK, 2021
2. Life Time Achievement Award by Knowledge Research Academy.
2. Outstanding Academic and Research valued with Social **Work** by Knowledge Discovery Solutions, VBKA .

**Courses Handled at UG/ PG Level.**

Operating Systems, Data Structures, Data Communication, Computer Networks, DBMS, Computer Organization, Principles of Programming Languages, BDP, Problem Solving, Object Oriented Programming using C++, Microprocessor and Interfacing, FOSS, LPSL, Latex, Programming in C, Machine Learning, Data Mining, Network Security, Cloud Computing, Soft Computing, Machine Learning, AI&ML etc.

<b>No. of Papers Published</b>	National Journals –	--	International Journals –	<b>36</b>
	National Conference –	<b>02</b>	International Conferences –	<b>21</b>

<b>Technology Transfer</b>	Moodle-based LMS
<b>Invited Speaker</b>	<ul style="list-style-type: none"> <li>• Chaired in more than 10 International Conference sessions.</li> <li>• Delivered guest lectures on use of ICT Tools in Teaching and Learning in the context of OBE, NBA criterions.</li> <li>• Delivered lectures at various Faculty Development Programs/ Workshops.</li> <li>• Delivered a lecture on “Open Knowledge Systems” in a two-day Faculty Development Program(FDP) on “Creating awareness on Outcome-based Educational Research Methods for Engineering Faculty” organized by JNTU Manthani during 28<sup>th</sup> -29<sup>th</sup> Feb’2020.</li> <li>• Delivered a lecture on “Security Challenges in IoT” in a one week AICTE Faculty Development Program on “AI-based IoT”, Dec’ 2019.</li> <li>• Delivered a lecture on “Copyright and Copy Left” in a one-week FDP on “Contemporary Research and IPR” (28th Jan -1st Feb 2019).</li> <li>• Delivered a lecture on “OERs and Learning Management Systems” in one week UGC- MHRD workshop “MOOCs, e-Content Development and Open Educational Resources” organized by MANU, Hyderabad, 20-06-2019.</li> <li>• Delivered a lecture on “Teaching Learning using Moodle” in the one- week UGC workshop on “MOOCs, e-Content Development and Open Educational Resources” organized by MANUU, 14-03-2019.</li> </ul>
<b>No. of Books/Chapters Published with details</b>	<p><b>Book Publications</b></p> <ol style="list-style-type: none"> <li>1. Prof. M Swamy Das, Dr. P Vasanth Sena, “Problem Solving Skills using Raptor – Think Logically , Code Visually – Master the Art of Algorithms”, Professional Books Publisher, 1<sup>st</sup> Edition, 2025, ISBN: 978-93-48875-72-3.</li> <li>2. Dr. N V Koteswar Rao, Dr. M Swamy Das, et al., Proceedings of SUDHEE 2024, ISBN978-93-48875-36-5</li> <li>3. Dr. M Swamy Das et al., Proceedings of SUDHEE 2025, ISBN978-93-48875-36-5.</li> <li>4. Editor, IICT-2024 Conference Proceedings, Bentham Publishers</li> </ol> <p><b>Book Chapter Publications</b></p> <ol style="list-style-type: none"> <li>1. Karthik,Kamakonda, M Swamy Das, B Rambabu”, Learning Automata-based Harmony Search Routing Algorithm for Wireless Sensor Networks”, Chapter 35, Springer Nature, Singapore 2023.</li> </ol>
<b>Details of Short-Term</b>	<ol style="list-style-type: none"> <li>1. One week FDP “The AI beyond Frontier: Recent Breakthroughs and Next-Gen Prospects”, 21<sup>st</sup> -25<sup>th</sup> April 2025.</li> <li>2. One week FDP “Cyber Security And It’s Best Practices” 28<sup>th</sup> April – May, 2025</li> <li>3. Organized a one-day event “BRAINS” in association with MUST and NASSCOM on 28-09-2019.</li> <li>4. Organized a one-week workshop on “Lab Instruction and Manual Preparation” in association by NITTTK, Kolkata, Feb 2019.</li> <li>5. Organized a three-day international conference on “Vedic Mathematics” Aug-2019.</li> </ol>

### International/National Journals

1. Kalavathi, **M Swamy Das**, “Breast cancer image analysis utilizing feature fusion-based hybrid classification network influenced by adaptive u-net with generative adversarial segmentation network”, Intelligent Decision Technologies, 2025; Sage Journals, **Scopus**, <https://journals.sagepub.com/doi/10.1177/18724981251318190>
2. B Satish, **M Swamy Das**, “Improving the Quality of Chest X- Ray images for better Classification using Convolutional Neural Network”, Vol:11, Issue:9, IJIRT, Feb 2025, <https://ijirt.org/article?manuscript=173310>
3. I Srujana, M Swamy Das, “Review of Automatic Computer Program Evaluation and Assessment Tools and Methods”, Journal of Electrical Systems, Vol. (20), Issue(10), pp.3212-3224,2024. Scopus, <https://journal.esrgroups.org/jes/article/view/5756>
4. Kalavathi, **M Swamy Das**, “Stratification of Breast Cancer Images by Utilizing Spatial Information and Deep Learning Model” , JTAIT, Vol: 102, Issue:23, Dec 2024; **Scopus** Indexed. <https://www.jatit.org/volumes/Vol102No23/1Vol102No23.pdf>

5. Prameela, **M Swamy Das**, "Multi-head Network-based Students Behaviour Prediction with Feedback Generation for Enhanced Classroom Engagement and Teaching Effectiveness", IJITCS, Vol: 16, No.8, Oct 2024, **Scopus**, <https://www.mecs-press.org/ijitcs/ijitcs-v16-n5/v16n5-6.html>
6. V. Ramesh, **M. Swamy Das**, "A Novel Ensemble Approach with HGBDTRF for Enhanced Detection and Prediction of Heart Disease". Electrical Systems 20-6s (2024): 1089-1103. <https://i1ng.com/hmnb1wr>
7. B Satish, **M Swamy Das**, "Deep Learning based Classification of Chest X-Ray Images as Normal or Abnormal using ResNet-50 and Google Inception", IJAEMA, Vol: 26, Issue: 5, 2024.
8. V. Ramesh, **M. Swamy Das**, "Performance Evaluation of Ensemble Learning Using Light GBM for Enhanced Heart Disease Detection and Prediction", Educational Administration: Theory and Practice, Vol. 30(5) pp:14762 – 14775, 2023, <https://kuey.net/index.php/kuey/article/view/7411/5529>
9. B Sateesh, **M Swamy Das**, "Creating High Resolution Chest X-ray Images using Incremental Deep Convolution Generative Adversarial Network (IDCGAN)", IJFMR, Vol 5, Issue 5, Sep 2023, E-ISSN:2582-2160; <https://www.ijfmr.com/papers/2023/5/26585.pdf>.
10. G Ravi, **Swamy Das**, Karthik, "Energy Efficient Data Aggregation Scheme using Improved LEACH Algorithm for IoT Networks", IJISAE. 11(2s), ISSN: 2147-6799, Jan 2023, 174-188) –**Scopus indexed**; <https://ijisae.org/index.php/IJISAE/article/view/2521>
11. Ravi, **Swamy Das**, Karthik, "Reliable Cluster-based Data Aggregation Scheme for IoT network using Hybrid Deep Learning Techniques", Measurements: Sensors 27(June -2023) 100744. Scopus, **ELSEVIER, Scopus indexed** (<https://doi.org/10.1016/j.measen.2023.100744>).
12. GR Ramadevi, **M Swamy Das**, "Survey of Different Secure Key Management Schemes and Routing Protocols Energy Aware Approaches in Wireless Adhoc Networks", JFCR, Vol.19, July-Dec; 2022, ISSN:2277-7067; Journal of Kavikulguru Sanskrit University, Ramteck., PP.39-58
13. Prameela, **Swamy Das**, Raiza Borreo, "Facial Emotion Recognition Methods, Datasets and Technologies: A Literature Survey", Materials Today Elsevier, July 2021, **Scopus Indexed**, <https://www.sciencedirect.com/science/article/abs/pii/S2214785321048987>
14. GR Ramadevi, **M Swamy Das**, MV Ramanamurthy, "An Energy Efficient Secure Routing Protocol based on Reinforced Learning for MANETs", Industrial Engineering Journal, ISSN:0970-2555, Vol.52(3), March 2023, pp:1-15 (**UGC CARE Group-1, Sr. No. 155 (Sciences)**)
15. Karmkonda K, **Das MS**, Ravi G, "An Energy-efficient Learning Automata and Cluster-based Routing Algorithm for Wireless Sensor Networks", Contemporary Mathematics, Vol. 4(3), 2023, pp. 488-504, ISSN: 27051064; Universal Wiser, **Scopus**; <https://ojs.wiserpub.com/index.php/CM/article/view/2654>
16. GR Ramadevi, **M Swamy Das**, MV Ramanamurthy, "Secure Cross-layer Routing Protocol with Authentication Key Management Scheme for MANETs", Measurement: Sensors 29(2023), 100869, **Elsevier, Scopus**; <https://www.sciencedirect.com/science/article/pii/S2665917423002052>
17. Srujana Inturi, Shashank Vidiyala, **Dr. M. Swamy Das**, "Semantic Similarity-based Automatic Grading System for Computer Programs Evaluation", Strad Research Journal, Vol. (8), Issue (6), pp. 549-558, 2021, ISSN: 0039-2049.
18. K. Krishnaveni, **M. Swamy Das**, G. Suresh Babu, T. Murali Krishna and N. Vasantha Gowri, "Alternative Approaches for Laboratory Learning and Assessment in Engineering Education - Open Source Alternatives", International Journal of Electrical Engineering and Technology (IJEET), 12(6), 2021, pp. 221-230 doi: 10.34218/IJEET.12.6.2021.021. [https://iaeme.com/Home/article\\_id/IJEET\\_12\\_06\\_021](https://iaeme.com/Home/article_id/IJEET_12_06_021)
19. B Satish, **M Swamy Das**, "Performance Enhancement of Database Operations on Large Medical Image Data sets", International Journal of Automation and Control Engineering (IJACE), online vii volume, issue1, May 2019.
20. **M Swamy Das**, CRK Reddy, A Govardhan, G Saikrishna, "Segmentation of Overlapping Text lines, Characters in printed Telugu text document images", 2010, International Journal of Engineering science and technology, IJET, vol:2, issue: 11, pp: 6606-6610; <https://i1ng.com/512tqi7>
21. **M Swamy Das**, D Sandhya Rani, CRK Reddy, "Heuristic based script identification from multilingual text documents, date: 2012/3/15, RAIT-2012,, pp: 487-492, IEEE; <https://ieeexplore.ieee.org/document/6194627>.
22. **M Swamy Das**, B Hima Bindhu, A Govardhan, "Evaluation of text detection and localization methods in natural images", date: 2012/6, International Journal of Emerging Technology and Advanced Engineering, vol:2, issue: 6, pages-277-282. <https://sl1nk.com/2hd1nh>
23. **M Swamy Das**, D Sandhya Rani, CRK Reddy, A Govardhan, "Script identification from multilingual Telugu, Hindi and English text documents", 2011/12, IJWC, Vol: 1, issue: 3, pages: 79-81. <https://www.cscjournals.org/library/manuscriptinfo.php?mc=IJIP-874>
24. **M Swamy Das**, CRK Reddy, K Rahul, A Govardhan, "Multilingual Optical Character Recognition System for Printed English and Telugu Base Characters", date: 2011/6, International Journal of

Science and Advanced Technology (ISSN 2221-8386), vol:1, issue: 4, Pages: 106-111.  
<https://sl1nk.com/wg465cg>

25. **M Swamy Das**, KRM Rao, P Balaji, "Neural-based hit-count feature extraction method for Telugu script optical character recognition", 2019, Innovations in Electronics and Communication Engineering, pages- 479-486, Springer, **Scopus Indexed**. [https://link.springer.com/chapter/10.1007/978-981-10-8204-7\\_48](https://link.springer.com/chapter/10.1007/978-981-10-8204-7_48).

#### International/National Conferences from 2017

1. **M Swamy Das**, at al., "Hard Problem of Quantum Information Tertiary State Consciousness Theory", 2<sup>nd</sup> International Conference on Advanced Technologies (ICATECS-2026), VCE-Hyd, Springer, 30-31<sup>st</sup> Jan 2026.
2. Md Kashan, **M Swamy Das**, "Climate Change: Role of Machine Learning Techniques in Waste Classification", 5<sup>th</sup> International Conference Engineering and Advancement in Technology (ICEAT-2024)
3. I Srujana, **M Swamy Das**, "Programming assignment grading through control statement and program features", ICETE 2023, IEEE Conference, Mehendra University, Sept-2023, **Scopus Indexed**, <https://ieeexplore.ieee.org/document/10331134>.
4. V Ramesh, **M Swamy Das**, "Heart Disease Detection and Prediction using ML Algorithms", 2nd international conference on Emerging Trends in Engineering (ICETE 2023), <https://www.atlantispress.com/proceedings/icete-23/125994152>.
5. Karthik, Kamakonda, **M Swamy Das**, B Rambabu", Learning Automata-based Harmony Search Routing Algorithm for Wireless Sensor Networks", Chapter 35, Springer Nature, Singapore 2023, [https://link.springer.com/chapter/10.1007/978-981-99-1435-7\\_35](https://link.springer.com/chapter/10.1007/978-981-99-1435-7_35).
6. Kalavathi, **M Swamy Das**, "A Review on Deep Learning Approaches and Histopathology Breast Cancer Classification", IC3T 2022, KITSW, Springer, **Scopus**, [https://link.springer.com/chapter/10.1007/978-981-19-8563-8\\_35](https://link.springer.com/chapter/10.1007/978-981-19-8563-8_35)
7. Dammalapati H, **Swamy Das M** "An efficient criminal segregation technique using computer vision Conference paper Proceedings - IEEE 2021 International Conference on Computing, Communication, and Intelligent Systems, ICCIS 2021, PP:: 636-641, **Scopus Indexed** DOI:10.1109/ICCIS51004.2021.9397174. <https://ui.adsabs.harvard.edu/abs/2021insy.conf..113D/abstract>
8. Dammalapati H, **Swamy Das M.**, "An applied modular approach to build scalable mobile robots" Conference Paper Proceedings - IEEE 2021 International Conference on Computing, Communication, and Intelligent Systems, ICCIS 2021, Year 2021, Pages 322-327 DOI:10.1109/ICCIS51004.2021.9397087. <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&number=9397087&tag=1>.
9. **M Swamy Das**, KRM Rao, P Balaji, "Neural-Based Hit-Count Feature Extraction Method for Telugu Script Optical Character Recognition", 6<sup>th</sup> ICIECE 2017. ISBN: 978-981-10-8203-0.

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