

Dayananda Sagar University
School of Engineering
Department of Computer Science and Engineering
Faculty Achievements
2022-23

- **Dr. Debanjali Bhattacharya**, Assistant Professor, CSE has got Prof. Ravi Ravindran Gold Medal award for best PhD thesis by IITB on 3rd July 2022



- **Dr. Sindhu P.Menon**, Professor(CSE) along with **Dr. Tina Babu**, Assistant Professor(CSE), **Dr. Rekha Nair**, Assitant(BCA), and **Prof. Pavithra K**, Assitant Professor(BCA) filed a patent on "Lung Cancer Detection" by Design Patent, India. She has also published the paper entitled "Brain Tumour diagnosis and classification based on AutoML and traditional techniques" in IEEE Global Conference on Computing, Power and Communication Technologies (GlobConPT) September 2022
- **Dr. Sindhu P.Menon**, Professor(CSE) completed MOOC courser “Deep Learning for Computer Vision” in October 2022 awarded by NPTEL.



- **Prof. Chhaya Suryabhan Dule**, Assistant Professor (CSE), published a book chapter entitled “Privacy Preservation of Image Data With Machine Learning“ in "Application of machine learning and deep learning for privacy and cyber security” by IGI Global, in September 2022.
- **Prof. Chhaya Suryabhan Dule**, Assistant Professor (CSE), published Canadian copyright on “Cloud-based Electric vehicles temperature monitoring system using IoT”, November 2022.



- **Dr. Rajesh T. M.**, Associate Professor, CSE was the keynote speaker of the session on "Forensic Crime Detection Using DIP and ML" on July 1, 2022, NCSEM2K22 conference organized by the department of ISE, Oxford College of Engineering.
- **Dr. Rajesh T. M.**, Associate Professor, CSE served as an Editor of the 2 Springer ICICC-2021 Book Proceedings "Data Engineering and Intelligent Computing", July 2022 and "Computer Communication, Networking, and IoT", August 2022.
- **Dr. Rajesh T. M.**, Associate Professor, CSE published two double-blind peer-reviewed journals entitled "Design of optimal metaheuristics-based pixel selection with homomorphic encryption technique for video steganography", International Journal of Information Technology, Springer, June 2022, and "A Multi-Model Framework for Grading of Human Emotion Using CNN and Computer Vision", in the International Journal of Computer Vision and Image Processing, September 2022, DBLP.
- **Dr. Rajesh T. M.**, Associate Professor, CSE along with co-authors Dr. Shaila S G, Chairman and Professor (DS), and Prof. Lavanya B Koppal, Assistant Professor published book chapters entitled "Tumour Detection Based on 3d Segmentation Using Region of Interest", High- Performance Medical Image Processing by Apple Academic Press, July 2022, Taylor and Francis Library.
- **Dr. Rajesh T. M.**, Associate Professor, CSE along with Dr. Shaila S G, Chairman and Professor (DS) entitled "Analysis and Prediction of Breast Cancer using Multimodal Classification Approach", ICICC, SCOPUS, July 2022, "Early Detection of Diabetic Retinopathy Using Multimodal Approach"; in Computer Vision and Robotics. Algorithms for Intelligent Systems, Springer, August 2022. and "Music Therapy for Transforming Human Negative Emotions: Deep Learning Approach" Proceedings of International Conference on Recent Trends in Computing, Springer August 2022.
- **Dr. Rajesh T. M.**, Associate Professor, CSE along with Prof. Ambeshwar Kumar published "Role of Explainable Edge AI to Resolve Real-Time Problem", Explainable Edge AI: A Futuristic Computing Perspective. Studies in Computational Intelligence. Springer, November 2022, Scopus
- **Dr. Rajesh T. M.**, Associate Professor (CSE) along with Mr. Sharath M N, research scholar of CSE,DSU and Dr. Mallanagouda Patil, Associate Professor (CSE), RV Institute of Technology and Management published patent entitled "An efficient Optimal Metaheuristics based Pixel Selection for Video Steganography using Homomorphic Encryption approach" in Indian patent, January 2023.
- **Dr. Rajesh T. M.**, Associate Professor (CSE) along with Dr. Renuka Devi M N, Dr. Shaila S G, Chairperson CSE (DS) and Prof. Cauvery Raju received best paper award in the Scopus indexed springer conference (ICAMIDA -2022) for the paper entitled "A Novel framework for Grading of Heart Attack".



- **Dr. Basavaraj N Hiremath, Professor (CSE) along with Ms. Nithyashree V, Ms. Vanishree L, Ms. Aparna Duvvuri, Ms. Disha Anand, Ms. Vidyashree G** published paper entitled "Identification of Toxicity in Multimedia messages for Controlling Cyberbullying on Social Media by Natural Language Processing" in IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (2022 IEEE DISCOVER), October 2022.



- Dr. Mouleeswaran S K, Associate Professor(CSE) along with Prof, Ranjini K, Assistant Professor(CSE) published paper entitled "Breast Cancer Prediction by Leveraging Machine Learning and Deep learning Techniques with Different Imaging Modalities" IEEE 7th International Conference for Convergence in Technology, July 2022.



- Prof, Ranjini K, Assistant Professor(CSE) along with Dr. Mouleeswaran S K, Associate Professor(CSE) published paper entitled "Breast Cancer Prediction by Leveraging Machine Learning and Deep learning Techniques with Different Imaging Modalities" IEEE 7th International conference for Convergence in Technology, July 2022.



- **Dr. Tina Babu**, Assistant Professor(CSE) along with Dr. Sindhu P.Menon, Professor(CSE) Dr. Rekha Nair, Assitant(BCA), and Prof. Pavithra K, Assitant Professor(BCA) filed a patent on "Lung Cancer Detection" by Design Patent, India.



- Dr. Aman Chawla, Associate Professor(CSE) published paper entitled "On the Error Exponent of Axon Coupled Channels" in the Bernstein Conference 2022, Berlin, September 2022.



- **Dr. Meenakshi Malhotra**, Associate Professor(CSE) along with Ms. Ishika Giroti published paper entitled "Quantum Cryptography: A Pathway to Secure Communication" and with Mr. Jeevan Das "Quantum Machine Learning: An Effective Approach to High-dimensional Learning" in 6th International Conference on Computation System and Information Technology for Sustainable Solutions (CSITSS), December 2022.



- Prof, Ambeshwar Kumar, Assistant Professor (CSE), and Dr. Rajesh T.M, Associate Professor (CSE), published paper entitled "Role of Explainable Edge AI to Resolve Real Time Problem", ISBN: 978-3-031-18291-4, vol 1072, Springer, November 2022.



- **Dr. Niranjan Appaswamy**, Associate Professor (CSE) published a paper entitled, "Monitoring Environment Parameters of Gerbera Flower Cultivation in Greenhouse using Internet of Things", in the Indian Journal of Science and Technology a Web of Science Indexed Journal, December 2022.



- **Dr. Revathi V**, Associate Professor (CSE) published patent entitled "Glove Type Dishwashing Brush" in Indian Patent, December 2022.



- **Dr. Bondu Venkateswarlu**, Associate Professor (CSE) along with Ms. Monelli Ayyavaraiah, research scholar of CSE,DSU and Prof. Penugonda Ravi Kumar, Assistant Professor, Rajiv Gandhi University of Knowledge Technologies, Ap. Krishna published patent entitled “Ensemble Classification based COVID-19 Diagnosis from Chest X-Rays and CT Images” in indian patent, January 2023.
- **Dr. Bondu Venkateswarlu**, Associate Professor (CSE) along with Mr. C. Jayaramulu, research scholar (CSE,DSU) published paper entitled “DLOT-Net: A Deep Learning Tool For Outlier Identification” in the Proceedings of the Sixth International Conference on Electronics, Communication and Aerospace Technology (ICECA 2022) IEEE Xplore, January 2023.
- **Dr. Bondu Venkateswarlu**, Associate Professor (CSE) with Ms. Subba Reddy Meruva, research scholar (CSE,DSU) published paper entitled “A Fast and Effective Tree-based Mining Technique for Extraction of High Utility Itemsets” in the Proceedings of the Sixth International Conference on Electronics, Communication and Aerospace Technology (ICECA 2022) IEEE Xplore, January 2023.



- **Dr. Savitha Hiremath, Associate Professor (CSE)** along with Dr. Ramya R. S. DCSE, Dr. M. Shahina Parveen, Professor & Chairperson (CST), DSU, Isha Pugalia, Research Scholar (DCSE), Dr. S. H. Manjula, UVCE and Dr. Venugopal K. R., UVCE published paper entitled “A Survey on Automatic Text Summarization and its Techniques”. In the International Journal of Intelligent Systems and Applications in Engineering, January 2023.

