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Department of Computer Science & Engineering

List of Publications (Journal / Conference/ Proceedings / Book Chapters etc...)

Sr. No	Details	Type (Journal / Conference/ Proceedings / Book Chapters)
	A. Y. 2024-25	
1	Bhosale, Y.H., Patnaik, K.S., Zanwar, S.R. *et al*. Thoracic-net: Explainable artificial intelligence (XAI) based few shots learning feature fusion technique for multi-classifying thoracic diseases using medical imaging. *Multimed Tools Appl* (2024). https://doi.org/10.1007/s11042-024-20327-3	Journal
2	Suvarna S Pawar, Mukund B.Wagh, Nandkishor P Karlejkar, Vishal V Puri, G. J. Sahani, Swati V. Khidse: A Linear Swarm-Based Intelligence for Resource Allocation and Fault Prediction in Cloud.	Journal
3	Rajkiran N Jadhav : AI Based Stock Market Prediction Device	Patent.
	A. Y. 2023-24	
1	Zanwar, S.R., Bhosale, Y.H., Bhuyar, D.L. *et al*. English Handwritten Character Recognition Based on Ensembled Machine Learning. *J. Inst. Eng. India Ser. B* 104, 1053–1067 (2023). https://doi.org/10.1007/s40031-023-00917-9	Journal
2	Bhosale, Y.H., Patnaik, K.S. Bio-medical imaging (X-ray, CT, ultrasound, ECG), genome sequences applications of deep neural network and machine learning in diagnosis, detection, classification, and segmentation of COVID-19: a Meta-analysis & systematic review. *Multimed Tools Appl* **82**, 39157–39210 (2023). https://doi.org/10.1007/s11042-023-15029-1	Journal
3	Bhosale, Y.H., Patnaik, K.S. Application of Deep Learning Techniques in Diagnosis of Covid-19 (Coronavirus): A Systematic Review. *Neural Process Lett* **55**, 3551–3603 (2023). https://doi.org/10.1007/s11063-022-11023-0	Journal
4	Yogesh H. Bhosale, K. Sridhar Patnaik, PulDi-COVID: Chronic obstructive pulmonary (lung) diseases with COVID-19 classification using ensemble deep convolutional neural network from chest X-ray images to minimize severity and mortality rates, Biomedical Signal Processing and Control, Volume 81, 2023, 104445, ISSN 1746-8094,	Journal

	https://doi.org/10.1016/j.bspc.2022.104445.	
5	Y. H. Bhosale, S. R. Zanwar, S. S. Ali, N. S. Vaidya, R. A. Auti and D. H. Patil, "Multi-Plant and Multi-Crop Leaf Disease Detection and Classification using Deep Neural Networks, Machine Learning, Image Processing with Precision Agriculture - A Review," *2023 International Conference on Computer Communication and Informatics (ICCCI)*, Coimbatore, India, 2023, pp. 1-7, doi: 10.1109/ICCCI56745.2023.10128246	Conference Proceedings
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	A. Y. 2022-23	
1	Y. H. Bhosale and K. S. Patnaik, "Graph and Capsule Convolutional Neural Network Based Classification of Lung Cancer, Pneumonia, COVID-19 using Lung CT and Ultrasound Radiography Imaging," *2022 8th International Conference on Signal Processing and Communication (ICSC)*, Noida, India, 2022, pp. 381-387, doi: 10.1109/ICSC56524.2022.10009568	Conference Proceedings
2	Bhosale, Y.H., Singh, P., Patnaik, K.S. (2023). COVID-19 and Associated Lung Disease Classification Using Deep Learning. In: Gupta, D., Khanna, A., Hassanien, A.E., Anand, S., Jaiswal, A. (eds) International Conference on Innovative Computing and Communications. Lecture Notes in Networks and Systems, vol 492. Springer, Singapore. https://doi.org/10.1007/978-981-19-3679-1_22	Book Chapter
3	Y. H. Bhosale and K. Sridhar Patnaik, "ECG-CCNet: Cardiovascular(Cardiac) and COVID-19 Disease Classification Using Deep Convolutional Neural Network Learning Pipeline Approaches From Electrocardiography(ECG)- A Study," 2022 IEEE Silchar Subsection Conference (SILCON), Silchar, India, 2022, pp. 1-6, doi: 10.1109/SILCON55242.2022.10028792.	Conference Proceedings
4	Y. H. Bhosale, S. R. Zanwar, A. T. Jadhav, Z. Ahmed, V. S. Gaikwad and K. S. Gandle, "Human Monkeypox 2022 Virus: Machine Learning Prediction Model, Outbreak Forecasting, Visualization with Time-Series Exploratory Data Analysis," *2022 13th International Conference on Computing Communication and Networking Technologies (ICCCNT)*, Kharagpur, India, 2022, pp. 1-6, doi: 10.1109/ICCCNT54827.2022.9984237.	Conference Proceedings
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	A.Y. 2021-22	
1	Y. H. Bhosale and K. Sridhar Patnaik, "IoT Deployable Lightweight Deep Learning Application For COVID-19 Detection With Lung Diseases Using RaspberryPi," *2022 International Conference on IoT and Blockchain Technology (ICIBT)*, Ranchi, India, 2022, pp. 1-6, doi: 10.1109/ICIBT52874.2022.9807725.	Conference Proceedings
2	Y. H. Bhosale, S. Zanwar, Z. Ahmed, M. Nakrani, D. Bhuyar and U. Shinde, "Deep Convolutional Neural Network Based Covid-19 Classification From Radiology X-Ray Images For IoT Enabled	Conference Proceedings

	Devices," 2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2022, pp. 1398-1402, doi: 10.1109/ICACCS54159.2022.9785113	
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	A.Y. 2020-21	
1	Bhosale, Y. H. (2020). Digitization of households with population using cluster and list sampling frame in aerial images. *ISSN (Online)*, 2456-3293.	Journal
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	A.Y. 2019-20	
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	A.Y. 2018-19	
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	A.Y. 2017-18	
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	A.Y. 2016-17	
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	A.Y. 2015-16	
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	A.Y. 2014-15	
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