List of Publications (AIML & DS) -Summary

Sl. No.	Title of the Paper	Authors (in the same order as in the paper. Underline the Research Scholar's name)	Name of the Journal/ Conference/ Symposium, Vol., No., Pages	Month and year of Publication	Category *
1.	Emotional Detection Based on Bio Information and Data Analytics, IEEE	Mrs. Uma Gurav	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), SCOPUS	2022/7/15	
2.	Image Processing and Deep Neural Networks for Face Mask Detection	Mrs. Uma Gurav	International Conference on Advancements in Smart Computing and Information Security, SCOPUS, Springer Nature Switzerland	2022/11/25	
3.	Identify prospects customers using lead score strategies and provide dynamic solution	Mrs. Uma Gurav	International Journal of Emerging Technologies and Innovative Research,ISSN:2349-5162, http://www.jetir.org/papers/JETIR2206347.pdf	2022/6	
4.	RNNLBL : A Recurrent Neural Network and Log Bilinear based Efficient Stock Forecasting Model, https://ssrn.com/abstract=3691450 , *Elsevier SSRN indexed,* Elsevier https://ssrn.com/abstract=3691450	Mrs. Uma Gurav	International Journal of Innovative Technology and Exploring Engineering	2020	
5.	Impact of Covid 19 on stock market performance using efficient and predictive LBL-LSTM based Mathematical Model DSK Uma Prashant Gurav	Mrs. Uma Gurav	International journal on emerging technologies11 (4), 108-115	2020	

6.	Adaptive Stock Forecasting Model using Modified Backpropagation Neural Network (MBNN) *SCIIndex,SCOPUS,IEEE Xplore*	U Gurav, N Sidnal,	2018 International CTEMS in collaboration with IEEEXplore	2018	
7.	Sentiment Aware Stock Price Forecasting using the SA-RNN- LBL Learning Model, *SCI Index*	DSK Uma Prashant Gurav	Engineering, Technology & Applied ScienceResearch 10 (No. 5), 6356-6161	2020	
8.	Lbl - Lstm : Log Bilinear And Long Short Term Memory Based Efficient Stock Forecasting Model Considering External Fluctuating Factor,	Mrs. Uma Gurav	*Elsevier SSRN indexed* UMA GURAV IJEAT 9 (4), 2057-2063	2020	
9.	Opinion mining for reputation evaluation on unstructured Big DataPDNS	Mrs. Uma Gurav	International Journal of Advanced Research inComputer Engineering …	2015	
10.	Virtualization: a key feature of cloud computing , *Scopus, ACM,*	U Gurav, R Shaikh	Proceedings of the International Conference and Workshop on Emerging Trends …	2010	
11.	Predict Stock Market Behavior: Role of Machine Learning Algorithms, *Scopus, SCI Index*	U Gurav, N Sidnal	Intelligent Computing and Information and Communication, 383-394	2018	
12.	IOT based Interactive Controlling and Monitoring System for HomeAutomation CP	Uma Gurav	International Journal of Advanced Research inComputer Engineering …	2016	
13.	Hybrid Genetic Algorithm Based Task	UB Gurav, LD Netak	published in Proceedings of SPIT-	2012	

			IEEEColloquium and International Conference		
Scheduling in Heterogeneous Grid, Mumbai, India 5, 37-41					
14.	Memetic Algorithm Based Task Routing to Processors in heterogeneous Grid LDN	Uma gurav	Informetics and Cybernetics SCI 6	2008	
15	A novel dataset and efficient deep learning framework for automated grading of renal cell carcinoma from kidney histopathology images.	Amit Kumar Chanchal Shyam Lal Ranjeet Kumar Jin Tae Kwak Jyoti Kini	Scientific Reports **Nature Publisher**	**2023**	**1**
16	Evolution of LiverNet 2.x: Architectures for Automated Liver Cancer Grade Classification from H&E stained Liver Histopathological Images	Amit Kumar Chanchal, ShyamLal, Dipanshu Barnwal , Prince Sinha , Shrikant Arvavasu, JyotiKini	Multimedia Tools and Applications, **Springer Publisher**	**2023**	**1**
17	Deep Structured Residual Encoder-Decoder Network with a Novel Loss Function for Nuclei Segmentation of Kidney and Breast Histopathology Images.	Amit Kumar Chanchal, Shyam Lal, and Jyoti Kini	Multimedia Tools and Applications, **Springer Publisher**	**2022**	**1**
18	Efficient and robust deep learning architecture for segmentation of kidney and breast histopathology images.	Amit Kumar Chanchal, Aman Kumar, Shyam Lal, and Jyoti Kini	Computers and Electrical Engineering, **Elsevier Publisher** ISSN 0045-7906	**2021**	**1**
19	High Resolution Deep Transferred ASPPU-Net for	Amit Kumar Chanchal, Shyam Lal, and Jyoti Kini	International Journal of Computer Assisted Radiology and Surgery,	**2021**	**1**

	Nuclei Segmentation of Histopathology Images.		**Springer Publisher**		
20	"Efficient Deep Learning Framework with Group Convolution for Segmentation of Histopathology Image	Amit Kumar Chanchal, Shyam Lal, and Jyoti Kini	Intelligent Computing and Communication Systems	**2021**	**3**
21	Semantic segmentation of low magnification effusion cytology images: A semi-supervised approach	Shajahan Aboobacker, Deepu Vijayasenan, Sumam David S., Pooja K Suresh, Saraswathy Sreeram	Computers in Biology and Medicine, vol: 150, pages: 106179 Publisher: Elsevier	November 2022	1
22	Semi-supervised Semantic Segmentation for Effusion Cytology Images. (*Awarded as best paper)*	Shajahan Aboobacker, Deepu Vijayasenan, Sumam David S., Pooja K. Suresh, Saraswathy Sreeram.	Computer Vision and Machine Intelligence: Proceedings of CVMI 2022, Springer Nature Singapore, pages: 429-440 Publisher: Springer	May 2023	3
23	Semi-supervised Semantic Segmentation of Effusion Cytology Images Using Adversarial Training	Mayank Rajpurohit, Shajahan Aboobacker, Deepu Vijayasenan, Sumam David S., Pooja K. Suresh, Saraswathy Sreeram	Computer Vision and Machine Intelligence: Proceedings of CVMI 2022, Springer Nature Singapore, pages: 539-551. Publisher: Springer	May 2023	3
24	Semantic Segmentation on Low Resolution Cytology Images of Pleural and Peritoneal Effusion	Shajahan Aboobacker, Akash Verma, Deepu Vijayasenan, Sumam David S., Pooja K. Suresh, Saraswathy Sreeram	2022 National Conference on Communications (NCC), Mumbai, India, 2022, pages: 82-87. doi: 10.1109/NCC55593.2022.9806747	May 2022	3

			Publisher: IEEE		
25	A Deep Learning Model For The Automatic Detection Of Malignancy In Effusion Cytology.	Shajahan Aboobacker, Deepu Vijayasenan, Sumam David S., Pooja K. Suresh, Saraswathy Sreeram	2020 IEEE International Conference on Signal Processing, Communications and Computing (ICSPCC), Macau, China, 2020, pp. 1-5 doi: 10.1109/ICSPCC50002.2020.9259490 Publisher: IEEE	August 2020	3

* Category: 1: Journal paper, full paper reviewed   2: Journal paper, Abstract reviewed
3: Conference/ Symposium paper, full paper reviewed   4: Conference/Symposium paper, abstract reviewed
5: Others (including papers in Workshops, NITK Research Bulletins, Short Notes etc.)
(If the paper has been accepted for publication but yet to be published, the supporting documents must be attached.)