E&TC Department Publications: A. Y. 2021-22

Sr. No.	Authors Name	Paper Title	Name of Journal/ Conference	Vol., Issue no. /Date	SCI/ Scopus/ UGC listed/ Other
1	Ashwini Deshpande, Sujata Patale, Sampa Roy	Removal of line striping and shot noise from remote sensing imagery using a deep neural network with post-processing for improved restoration quality	International Journal of Remote Sensing	Volume- 42, Issue-19	SCI
2	Ashwini Deshpande, Sampa Roy	An Efficient Image Deblurring Method with a Deep Convolutional Neural Network for Satellite Imagery	Journal of the Indian Society of Remote Sensing	Volume- 49, Issue-11	SCIE and Scopus
3	Supriya Mangale, Nikhita More, Meghna Raje, Shivangi Sinha, Madhuri Khambete	Object tracking by adaptive fusion of thermal infrared and visible spectrum imaging using particle filter and structural similarity index metric	Journal of Applied Remote Sensing	Volume- 15, Issue- 4	SCIE
4	Aarfa Bano Sheikh, Apurva Baru, Sanjana Shinde Desai, Supriya Mangale	Object detection based on multi-modal adaptive fusion using YOLOv3	Journal of Applied Remote Sensing	Volume- 16, Issue- 2	SCI
5	Ganesh Padalkar, Madhuri Khambete	Fusion-Based Semantic Segmentation Using Deep Learning Architecture in Case of Very Small Training Dataset	International Journal of Image and Graphics	--	ESCI
6	Kalpana Joshi, Arti Khaparde	Single Channel Speech Enhancement using Evolutionary algorithm with LOGMMSE	ASEAN Engineering Journal	Volume- 12, Issue- 1	Scopus
7	Ratnaprabha Borhade, Manoj Nagmode	Epileptic Seizure Prediction Using Exponential Squirrel Atom Search Optimization-Based Deep Recurrent Neural Network	International Journal of Ambient Computing and Intelligence	Volume- 12, Issue- 3	Scopus
8	Prachi Mukherji, Deshpande Pallavi, Ghule Gauri, Ratnaparakhi Archana	Adaptiveness, Error Resilience and Robustness Validation Of the Multimodal Hand Biometric Recognition System	International Journal of Computing and Digital Systems	--	Scopus

9	Seema Rajput, Harjeet Kaur, Swati Shetkar	Systematic Approach to find effect of clock skew in the performance of Physical CMOS Design in deep submicron technologies	Stochastic Modeling and Applications	Volume- 26, Issue-3	UGC listed
10	Megha Borse, Amruta Pomane, Swaliha Sanadi, Aishwarya Shinde	Covid 19 detection using chest X-ray	International Journal of Advanced Research in Computer and Communication Engineering International Journal of Advanced Technology in Engineering & Science	Volume- 9, Issue -7	Other
11	Bageshree Pathak, Sharayu Dhande	Development of End Node using STM32 and Gateway for LORAWAN using ESP32 Microcontroller	GIS Science Journal	Volume- 8, Issue- 8	Other
12	Sandhya Potadar, Riya Fale , Prajakta Kothwade , Arati Padale	Attendance Management system using Face Recognition	International Journal of Engineering Research & Technology	Volume- 10, Issue- 8	Other
13	Niharika Dhande, Akanksha Bharambe, Isha Joshi, Bageshree Pathak	Colon Cancer detection from Histopathological Images using InceptionResNetV2	The International journal of analytical and experimental modal analysis	Volume-8, Issue-10	Other
14	Piyusha Babar, Yashanjali Chavan, Shital Indulwar, Sharada Ohatkar	Human Face Generation Using DCGAN	International Journal of Multidisciplinary and Current Educational Research	Volume- 4, Issue- 3	Other
15	Anita Patil, Siddhi Chikode, Poorva Deshpande, Mahika Sowale	Digital twin of a robotic arm	Journal of Engineering, Computing and architecture	Volume- 11, Issue- 7	Other
16	Megha Borse	3 Dimensional Reconstruction and Identification of Brain Tumor	GIS Science Journal	Volume- 9, Issue- 4	Other
17	Megha Borse, Sakshi Patil, Sakshee Moon, Krishna Randar	IOT Based SPY Camera System for COPS	GIS Science Journal	Volume- 9, Issue- 7	Other
18	Bageshree Pathak, Prachi Bhosale, Snehal Khaire , Akanksha Lathkar	Comparison between different Deep learning techniques for brain tumor detection and classification	GIS Science Journal	Volume- 9, Issue-5	Other

19	Bageshree Pathak, Jahanvi Singh, Madhura Pansare, Pranita Dhakne	Covid-19 Prediction Model using LSTM	GIS Science Journal	Volume- 9, Issue- 5	Other
20	Bhumika Bhagia, Akanksha Hatle, Mrudul Dixit	Simulation of Self Driving Car using CNN	GIS Science Journal	Volume- 9, Issue- 6	Other
21	Shruti Nair, Rajvee Pisey, Meera Narale, Mrudul Dixit	Fashion Try-On using Poly-GAN	Gradiva Review Journal	Volume- 8, Issue- 6	Other
22	Samruddhi Raut, Pragati Sapke, Mrudul Dixit	Deepfake Creation Using Generative Adversarial Network	Gradiva Review Journal	Volume- 8, Issue- 7	Other
23	Ravikant Suryawanshi, Rishima Mathur, Trisha Shah, Tanvi Takavane	Stocks and Crypto currency Price Prediction using Long Short Term Memory	International Journal of Engineering Research & Technology	Volume- 11, Issue- 5	Other
24	Prachi Waghmare , Supriya Mangale, Trupti Bhapkar, Siddhi Dhamale, Arti Dhawale	Recognition of real time Indian sign language gestures for Cafeteria	GIS Science Journal	Volume- 9, Issue- 5	Other
25	Anushka Katre, Priyanka Sutar, Shreya Jare, Mahesh Pote, Ashok Khedkar	Speed Estimation and License Plate Detection of Moving Vehicles	GIS Science Journal	Volume- 9, Issue- 6	Other
26	Isha Bhasme, Supriya Malkar, Aayushi Mohod, Sharada Ohatkar	Fuel Consumption Prediction of Cars Using Machine Learning	GIS Science Journal	Volume- 9, Issue- 5	Others
Conference publications					
27	Milind Patankar, Prachi Mukherji	Comparative study of Unscented and Extended Kalman Filtering methods for State-of-Charge Estimation of Lithium-Ion Battery in EVs	31st Australasian Universities Power Engineering Conference (AUPEC)	September 2021	Scopus

28	S. Shinde, J. Oak, K. Shrawagi, Prachi Mukherji	Analysis of WBC, RBC, Platelets Using Deep Learning	IEEE Pune Section International Conference (PuneCon),	January 2022	Scopus
29	Tejashri Kelhe, Devika Nair, Gayatri Kulkarni, Ashwini Deshpande	Longitudinal Collision Avoidance In Self-Driving Vehicles Using Deep Learning And Particle Swarm Optimization	IEEE Pune Section International Conference (PuneCon)	January 2022	Scopus
30	Tanvi Oka, Prachi Patankar, Shivani Rege, Mrudul Dixit	Text Summerization of News articles	Sixth International Conference on ICT for Sustainable Development, Goa, India	August 2021	Scopus
31	Kalpana Joshi, Arti Khaparde	Single channel speech enhancement in modulation domain using particle swarm optimization	International Conference on Sentimental Analysis and Deep Learning ICSADL-2021	2022	Scopus
32	Smita Bhagwat, Prachi Mukherji, Sachin Paranjape	Denoising of Surface Electromyography Signal Using Parametric Wavelet Shrinkage Method for Hand Prosthesis	Innovative Data Communication Technologies and Application	February 2022	Scopus