



## 4<sup>th</sup> IEEE Bombay Section Signature Conference (IBSSC-2022)

Paper	Track	Author Names	Donor Title
Id	Name	Author Names	Paper Title
1	RAA	Adnan Amir, Aaryaman Chandgothia, Moksh Goel, Dattatray Sawant and Nirmal Thakur	Design and Implementation of an IoT Based Patrol Robot
2	AIML	Flewin Dsouza, Rushikesh Shaharao, Yashsingh Thakur, Pranav Agwan, Gopal Sakarkar and Piyush Gupta	Advancement in Communication using Natural Language based VideoBot System
10	DSA	Anupama Jawale and Ganesh Magar	Highlighting Prominent Features for Size Reduction in Time Series data using Clustering Techniques
11	ACISC	M Ravinder and Vikram Kulkarni	Energy-Efficient Algorithm for Cluster Formation and Cluster Head Selection for WSN
19	ACISC	Rayyan Merchant, Pranav Desai, Varundeep Singh Nagpal, Nimish Mayekar, Pankaj Sonawane and Rajat Parab	Applications of Blockchain in Healthcare
28	AIML	Mihir Nikam, Ameya Ranade, Rushil Patel, Prachi Dalvi and Aarti Karande	Explainable Approach for Species Identification using LIME
29	DSA	Shruti Jain, Jash Jain, Garima Merani and Jash Patel	Statistical and Sentiment Analysis On Investment Pattern of Indians
30	AIML	Nicole Michelle Dsouza, Kunjal Shah and Pranav Singh	Diabetes Detection Using Machine Learning Algorithms
31	RAA	Adnan Amir, Akshat Verma, Abhinav Goswami, Ashish Kabra, Shrikar Nakhye and Sanket Chaudhary	Design and Analysis of Strawberry- Picking Industrial Robotic Arm
32	AIML	Trisha Sarkar, Anushka Khare, Mohit Parekh, Param Mehta and Avani Bhuva	Robust deep learning framework for the detection of melanoma in images





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33	AIML	Harshal Dalvi, Sannidhi Rao and Dr. Meera Narvekar	A Study of LIME and SHAP Model Explainers for Autonomous Disease Predictions.
35	AIML	Anuradha D. Thakare, Pranjali G. Gulhane, Shruti M. Chaudhari and Hemant Baradkar	Performance Analysis of Machine Learning Algorithms for COVID-19 Detection
38	AIML	Ajita Patil and Dr.Balasaheb Agarkar	VGG FaceNet Based Sketch to Face Recognition with Morphable Model
43	AIML	Rupali Kale and Sanjay Shitole	Deep learning optimizer performance analysis for Pomegranate fruit quality gradation
44	AIML	Pranoti Nage, Amey Pandit, Shravani Jeurkar and Sanjay Shitole	Diabetic Retinopathy Detection using Android Application
45	ACISC	Om Naik, Nimai Patel, Sabir Ali Baba and Harshal Dalvi	Decentralized Ride Hailing System using Blockchain and IPFS
47	AIML	Muskan Goyal and Prachi Tawde	A research attempt to predict and model personalities through users' social media details
50	AIML	Arya Shah	Monkeypox Skin Lesion Classification Using Transfer Learning Approach
54	AIML	Hemant Ingale, Dr. Anil J. Patil and Dr. Shekhar S. Suralkar	Deep Learning for Crowd Image Classification for Images Captured Under Varying Climatic and Lighting Conditions
56	DSA	Vandana Bharadi and Satya Prakash Awasthi	Variables identification for Students Performance Prediction
59	AIML	Swapnil Singh, Deepa Krishnan, Pranit Sehgal, Harshit Sharma, Tarun Surani and Jayant Singh	Gradient Boosting Approach for Sentiment Analysis for Job Recommendation and Candidate Profiling
61	DSA	Bed Prakash Das, Kaushik Das Sharma, Amitava Chatterjee and Jitendranath Bera	PSO Adaptive Fading Memory Kalman Filter Based State Estimation of Indoor Thermal Model with Unknown Inputs





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		Aashish Jha, Madhavi Purohit,	Plant Leaf Disease Detection And
64		Vivek Maurya and Amiya	Classification Based On Machine
	AIML	Kumar Tripathy	Learning Model
		Devarsh Patel, Nicole D'Souza	Automatic Twitter Rumour Detection
73	AIML	and <b>Riddhi Gawande</b>	using Machine Learning
		Priya Porwal and Dr Manoj	Citation Count Prediction Using
76	DSA	Devare	Different Time Series Analysis Models
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77		Kritarth Gupta, Atharva Hardikar, Devansh Gupta and	Forecasting Customer Churn in the
//	DSA	Shweta Loonkar	Telecommunications Industry
	DJA	Silweta Loolikai	District Confidence of Lands
81	ACISC	Devarsh Patel	Blockchain for Challenges of Logistics
	ACISC		and Supply Chain Information System
		Mrs.Manisha Joshi, Savita	Using Fractional Derivative in
88		Bhosle and Vishwesh	learning algorithm for Artificial
	AIML	Vyawahare	Neural Network: Application for
	AIML		salary prediction
91	DSA	Sandeep Ushkewar, Gaurav	Wireless Charging in a Dynamic Environment for Electric Vehicles
		Patil and Vishal Moyal	
94	A CLCC	Noshin Sabuwala and Rohin	Securing Unmanned Aerial Vehicles
	ACISC	Daruwala	by Encrypting MAVLink Protocol
95		Wilfred Almeida	SC Connect: Secure Server Access
	ACISC		from Mobile Device
		Riya Patil, Prasad Peshave and	Application of Fuzzy Matching
96	4 73 47	Milind Kamble	Algorithms for Doctors Handwriting
	AIML		Recognition
			A Comprehensive Study of Road
97	DSA	Utkarsh Gupta, Varun Mk and	Traffic Accidents: Hotspot Analysis
		Gowri Srinivasa	and Severity Prediction Using
			Machine Learning
00		D. Adalana A.	A Comparative Study On Machine
98	AINAI	Riya Adsul, Vedant Misra and	Learning Models To Predict Lung
	AIML	Saumya Pailwan	Cancer and Types of NSCLC
100	ACTOC	Sakshi Pande, Shrushti	Bitland-A Decentralized Commercial
	ACISC	Mandolikar and Sanjay Shitole	Real Estate Platform





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102	ACISC	Purnima Ahirao and Shubham Joshi	Social media users privacy protection from social surveillance using Blockchain Technology
103	AIML	Aradhana Manekar and Dr. Lochan Jolly	Wavelet Decomposition based Automated Alcoholism Classification using EEG Signal
104	AIML	Abhimanyu Singh and Manisha J Nene	Detection of Multiclass Objects in Satellite Images Using an Improved Algorithmic Approach
105	AIML	Umamaheswari S, Sangeetha D, Aditya Sriram S and Nandhinipriya J	Major and Sub-Class Classification of Arrhythmia using Eigen Vectors in ConvNet
106	AIML	Mohd. Aquib Ansari and Dushyant Kumar Singh	Deep-3DConvNet: A network to detect abnormal activities at megastores
107	DSA	Omdeep Gokhool and Soulakshmee D. Nagowah	A Requirement Gathering Framework for Electronic Document Management Systems
108	AIML	Ayman Rummun and Leckraj Nagowah	Genius – Brain Training Mobile Application for the Elderly
109	AIML	Sunita Jahirabadkar, Punam Pande and Aditya R	A Survey on Image Processing based Techniques for Space Debris Detection
118	ACISC	Slade Ferrao, Riona Dsouza, Sonal Chaudhari and Sana Shaikh	E-sewa app for self-employed women
121	AIML	Swati Saigaonkar and Dr. Vaibhav Narawade	Predicting chronic diseases using clinical notes and fine-tuned transformers
130	AIML	Md Jubaer Hossain, Mohammed Imamul Hassan Bhuiyan and Zaowad Abdullah	CpG Island Detection Using Transformer Model with Conditional Random Field
146	AIML	Ankit Basrur, Dhrumil Mehta and Abhijit Joshi	Food Recognition using Transfer Learning





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151	AIML	Abhishek Doshi, Abhinav Venkatadri, Sayali Kulkarni, Vedant Athavale, Akhila Jagarlapudi, Shraddha Suratkar and Faruk Kazi	Realtime Deepfake Detection using Video Vision Transformer
153	AIML	Samiksha Soni, Narendra Londhe, Ritesh Raj and Rajendra Sonawane	TransUNet for psoriasis lesion segmentation
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156	DSA	Siddharth Padhiar, Karan Mehta, Juhi Patel and Siba Panda	Observation of Online vs Offline Learning Experience
157	DSA	Karan Mehta, Piyush Nahata and Sarada Samantaray	Big Data architecture in radio astronomy: the SKA
161	ACISC	Akash Budhrani, Upasna Singh and Bhupendra Singh	Forensic Analysis of Windows 11 Prefetch Artifact
163	ACISC	Jayesh Dafda and Dr. Mansi Subhedar	Dynamic Load balancing in SDN using Energy Aware Routing and Optimization Algorithm
165	RAA	Wen Xiao, Heqing Li, Deying Liu, Yi Zuo and Wei Zhu	Non-contact detection of trench quality by UAV-LiDAR system
166	ACISC	Vishrut Chokshi, Mitash Shah, Param Mehta, Malhar Vairale, Saurabh Mehta and Kiran Talele	Implementation of RFID-based Lab Inventory System
168	RAA	Lie Xu, Yangyang Zhai, Daxiong Ji, Zhangying Ye, Songming Zhu, Yao Zhang and Guannan Li	A new path following method of AUV using line-of-sight with sideway





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171	ACISC	Rahul Hermon, Upasna Singh and Bhupendra Singh	Forensic Techniques to Detect Hidden Data in Alternate Data Streams in NTFS
172	ACISC	Sandip Chakraborty, Archisman Ghosh, Anindan Mondal and Bibhash Sen	Test Pattern generation for detection of Hardware Trojans based on improved Genetic Algorithm
175	AIML	Subhash Mondal, Ranjan Maity, Yash Raj Singh, Soumadip Ghosh and Amitava Nag	Early Prediction of Coronary Heart Disease using Boosting-based Voting Ensemble Learning
179	ACISC	Aamir Shaikh and Manjusha Joshi	Antennas in Airborne Applications
183	ACISC	Umar Mohammad, Fang Tang and Mohd Yusuf Yasin	A New Class of Bilateral SISO-(Single Input Single Output) Active Filters Targeted for Health-Care Applications
186	AIML	Sharisha Shanbhog and Jeevan Medikonda	Prediction of Student's Wellbeing from Stress and Sleep Questionnaire data using Machine Learning Approach
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223	DSA	Snehee Chheda, Anish Gharat, Kruttika Abhyankar and Sheetal Gonsalves	Case Study On Transport Of Petroleum In Nigerian Cities	
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259	RAA	Nithin Krishnan, Manav T.P, A.N Geethanjali, Dinesh Kumar, Ms. N Seenu and Dr. G Balaji	Design And Development Of Drone
260	AIML	Deboleena Chakraborty, Ajay Kumar Verma, Satish Sharma and Rohit Bhakar	Feature Selection based False Data Detection Scheme using Machine Learning for Power System
262	RAA	Dipti Pawade, Avani Sakhapara, Dr. Irfan Siddavatam, Mishtee Gandhi, Akshata Ingalahalli and Ashwini Dalvi	Fraud Detection and Monitoring of Water Tankers using IoT
264	RAA	Vaibhav Saini, Pritesh Shah and Ravi Sekhar	MATLAB and Simulink for Building Automation
266	ACISC	Mohit P. Tahiliani, Shashank D., Bhaskar Kataria and Aditya Sohoni	Implementation of NAT44 and NAT64 using TC-BPF and eXpress Data Path (XDP)
267	ACISC	Mohit P. Tahiliani, Kunj Naik and Deepa Kumari	Empirical Evaluation of Traffic Shaping Algorithms for Time Sensitive Networking
271	ACISC	Malik Obaid Ul Islam, Shabir Parah and Bilal A. Malik	Computationally efficient image encryption technique based on selective pixel diffusion
272	RAA	Pritesh Shah, Ravi Sekhar and Margi Shah	Design and Implementation of CRONE Controller for Automatic Voltage Regulator (AVR) System
273	AIML	Subha Sreekumar and Lijiya A	Comparative Study of CNN Models on the Classification of Dyslexic Handwriting.
274	RAA	Akash Ajith, Sharon Rose Babu, Sangeeth K, Sidharthan Ak and Manoj V. Thomas	A Novel Method in Procedural Maze Generation





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284	AIML	Yada Sai Pranay, Jagadeeshwar Tabjula and Srijith Kanakambaran	Classification Studies on Vibrational Patterns of Distributed Fiber Sensors using Machine Learning
285	RAA	Lokesh Ramesh, Crispin Marie Peter G, Gladwyn K, Sundeep R, Tharun A and Ramkumar V	Motor Modelling and Magnetic adhesion Simulation For Hybrid Wall Climbing AGV