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Preface

Computing techniques like big data, cloud computing, machine learning, and the Internet of Things (IoT) etc. are playing a key role in the processing of data and retrieving of advanced information. Several state-of-art techniques and computing paradigms have been proposed based on these techniques. This volume contains papers presented at 5th International Conference on Advances in Computing and Data Sciences (ICACDS 2021) held during April 23–24, 2021, by MVPS'S Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Nashik, Maharashtra, India. Due to the COVID-19 pandemic, ICACDS 2021 was organized virtually. The conference was organized specifically to help bring together researchers, academicians, scientists, and industry experts and to derive benefits from the advances of next generation computing technologies in the areas of advanced computing and data sciences.

The Program Committee of ICACDS 2021 is extremely grateful to the authors who showed an overwhelming response to the call for papers, with over 781 papers submitted in the two tracks of Advanced Computing and Data Sciences. All submitted papers went through a double-blind peer-review process, and finally 103 papers were accepted for publication in the Springer CCIS series. We are thankful to the reviewers for their efforts in finalizing the high-quality papers.

The conference featured many distinguished personalities like Vineet Kansal, Pro-Vice Chancellor, A. P. J. Abdul Kalam Technical University, India; Komal Bhatia, J. C. Bose University of Science and Technology, India; Tuncer Ören, University of Ottawa, Canada; Aparna Pandey, Gulf Medical University, UAE; Shailendra Mishra, Majmaah University, Saudi Arabia; Robert Siegfried, Aditerna GmbH, Germany; Anup Girdhar, Sedulity Group, India; Arun Sharma, Indira Gandhi Delhi Technical University for Women, India; Sarika Sharma, Symbiosis International (Deemed University), India; Shashi Kant Dargar, University of KwaZulu-Natal, South Africa; and Prathmesh Churi, NMIMS University, India, among many others. We are very grateful for the participation of all speakers in making this conference a memorable event.

The Organizing Committee of ICACDS 2021 is indebted to Smt. Neelimatai V. Pawar, Sarchitnis, MVPS, India, for the confidence that she gave to us during organization of this international conference, and all faculty members and staff of MVPS'S Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering (KBTCOE), India, for their support in organizing the conference and for making it a grand success.

We would also like to thank N. S. Patil, N. B. Desale, and S. P. Jadhav, KBTCOE, India; Sameer Kumar Jasra, University of Malta, Malta; Hemant Gupta, Carleton University, Canada; Nishant Gupta and Archana Sar, MGM CoET, India; Arun Agarwal, University of Delhi, India; Kunj Bihari Meena, Neelesh Jain, Nilesh Patel, and Kriti Tyagi, JUET Guna, India; Vibhash Yadav, REC Banda, India; Sandhya Tarar, Gautam Buddha University, India; Vimal Dwivedi, Abhishek Dixit, and Vipin

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Our sincere thanks to Consilio Intelligence Research Lab, India; the GISR Foundation, India; SK Info Techies, India; and Print Canvas, India, for sponsoring the event.

August 2021

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Contents – Part I

An Energy-Efficient Hybrid Hierarchical Clustering Algorithm for Wireless Sensor Devices in IoT	1
<i>Nitesh Chouhan and S. C. Jain</i>	
Fund Utilization Under Parliament Local Development Scheme: Machine Learning Base Approach	15
<i>Arun Sharma and Deepa Paliwal</i>	
Implementing Automatic Ontology Generation for the New Zealand Open Government Data: An Evaluative Approach	26
<i>Paramjeet Kaur and Parma Nand</i>	
Blockchain Based Framework to Maintain Chain of Custody (CoC) in a Forensic Investigation	37
<i>Sarishma, Abhishek Gupta, and Preeti Mishra</i>	
Parameters Extraction of the Double Diode Model for the Polycrystalline Silicon Solar Cells	47
<i>T. Suganya, V. Rajendran, and P. Mangaiyarkarasi</i>	
A Light SRGAN for Up-Scaling of Low Resolution and High Latency Images.	56
<i>Archan Ghosh, Kalporoop Goswami, Riju Chatterjee, and Paramita Sarkar</i>	
Energy Efficient Clustering Routing Protocol and ACO Algorithm in WSN	68
<i>Shalini Subramani, M. Selvi, S. V. N. Santhosh Kumar, and A. Kannan</i>	
Efficient Social Distancing Detection Using Object Detection and Triangle Similarity	81
<i>Vidya Zope, Nikhil Joshi, Srivatsan Iyengar, Krish Mahadevan, and Meher Singh</i>	
Explaining a Black-Box Sentiment Analysis Model with Local Interpretable Model Diagnostics Explanation (LIME)	90
<i>Kounteyo Roy Chowdhury, Arpan Sil, and Sharvari Rahul Shukla</i>	
Spelling Checking and Error Corrector System for Marathi Language Text Using Minimum Edit Distance Algorithm	102
<i>Kavita. T. Patil, R. P. Bhavsar, and B. V. Pawar</i>	

A Study on Morphological Analyser for Indian Languages: A Literature Perspective.	112
<i>Jayashree Nair, L. S. Aiswarya, and P. R. Sruthy</i>	
Cyber Safety Against Social Media Abusing	124
<i>Yuvraj Anil Jadhav, Sakshi Jitendra Jain, Bhushan Sanjay More, Mayur Sunil Jadhav, and Bhushan Chaudhari</i>	
Predictive Rood Pattern Search for Efficient Video Compression	137
<i>Hussain Ahmed Choudhury</i>	
An Effective Approach for Classifying Acute Lymphoblastic Leukemia Using Hybrid Hierarchical Classifiers	151
<i>Sharath Sunil, P. Sonu, S. Sarath, R. Rahul Nath, and Vivek Viswan</i>	
Abnormal Blood Vessels Segmentation for Proliferative Diabetic Retinopathy Screening Using Convolutional Neural Network	162
<i>Vasavi Agarwal, Ridhi Sipani, and P. Saranya</i>	
Predictive Programmatic Classification Model to Improve Ad-Campaign Click Through Rate.	171
<i>Nisheel Saseendran and C. Sneha</i>	
Live Stream Processing Techniques to Assist Unmanned, Regulated Railway Crossings.	181
<i>Jacob John, Mariam Varkey, and M. Selvi</i>	
Most Significant Bit-Plane Based Local Ternary Pattern for Biomedical Image Retrieval	193
<i>Nilima Mohite, Manisha Patil, Anil Gonde, and Laxman Waghmare</i>	
Facial Monitoring Using Gradient Based Approach	204
<i>Arush Jain, Mani Sachdeva, and Paramita De</i>	
Overlapped Circular Convolution Based Feature Extraction Algorithm for Classification of High Dimensional Datasets	214
<i>Rupali Tajanpure and Akkalakshmi Muddana</i>	
Binary Decision Tree Based Packet Queuing Schema for Next Generation Firewall.	224
<i>Manthan Patel and P. P. Amritha</i>	
Automatic Tabla Stroke Source Separation Using Machine Learning	234
<i>Shambhavi Shete and Saurabh Deshmukh</i>	

Classification of Immunity Booster Medicinal Plants Using CNN: A Deep Learning Approach	244
<i>Md. Musa, Md. Shohel Arman, Md. Ekram Hossain, Ashraful Hossen Thusar, Nahid Kawsar Nisat, and Arni Islam</i>	
Machine Learning Model Interpretability in NLP and Computer Vision Applications	255
<i>Navoneel Chakrabarty</i>	
Optimal Sizing and Siting of Multiple Dispersed Generation System Using Metaheuristic Algorithm.	268
<i>Lokesh Kumar Yadav, Mitresh Kumar Verma, and Puneet Joshi</i>	
Design of a Fused Triple Convolutional Neural Network for Malware Detection: A Visual Classification Approach	279
<i>Santosh K. Smmarwar, Govind P. Gupta, and Sanjay Kumar</i>	
Mobile Agent Security Using Lagrange Interpolation with Multilayer Perception Neural Network.	290
<i>Pradeep Kumar, Niraj Singhal, Mohammad Asim, Ajay Kumar, and Mahboob Alam</i>	
Performance Analysis of Channel Coding Techniques for 5G Networks.	303
<i>Mrinmayi Patil, Sanjay Pawar, and Zia Saquib</i>	
An Ensemble Learning Approach for Software Defect Prediction in Developing Quality Software Product	317
<i>Yakub Kayode Saheed, Olumide Longe, Usman Ahmad Baba, Sandip Rakshit, and Narasimha Rao Vajjhala</i>	
A Study on Energy-Aware Virtual Machine Consolidation Policies in Cloud Data Centers Using Cloudsim Toolkit	327
<i>Dipak Dabhi and Devendra Thakor</i>	
Predicting Insomnia Using Multilayer Stacked Ensemble Model	338
<i>Md. Sabab Zulfiker, Nasrin Kabir, Al Amin Biswas, and Partha Chakraborty</i>	
A Novel Encryption Scheme Based on Fully Homomorphic Encryption and RR-AES Along with Privacy Preservation for Vehicular Networks	351
<i>Righa Tandon and P.K. Gupta</i>	
Key-Based Decoding for Coded Modulation Schemes in the Presence of ISI	361
<i>Vanaja Shivakumar</i>	

Optimizing the Performance of KNN Classifier for Human Activity Recognition	373
<i>Ali Al-Taei, Mohammed Fadhil Ibrahim, and Nada Jasim Habeeb</i>	
Face Recognition with Disguise and Makeup Variations Using Image Processing and Machine Learning	386
<i>Farah Jawad Al-ghanim and Ali mohsin Al-juboori</i>	
Attention-Based Deep Fusion Network for Retinal Lesion Segmentation in Fundus Image	401
<i>A. Mary Dayana and W. R. Sam Emmanuel</i>	
Visibility Improvement in Hazy Conditions via a Deep Learning Based Image Fusion Approach	410
<i>Satbir Singh, Asifa Mehraj Baba, Md. Imtiyaz Anwar, Ayaz Hussain Moon, and Arun Khosla</i>	
Performance of Reinforcement Learning Simulation: x86 v/s ARM	420
<i>Sameer Pawanekar and Geetanjali Udgirkar</i>	
A Performance Study of Probabilistic Possibilistic Fuzzy C-Means Clustering Algorithm	431
<i>J. Vijaya and Hussian Syed</i>	
Optimized Random Forest Algorithm with Parameter Tuning for Predicting Heart Disease	443
<i>Ajil D. S. Vins and W. R. Sam Emmanuel</i>	
Machine Learning Based Techniques for Detection of Renal Calculi in Ultrasound Images	452
<i>Harsha Herle and K. V. Padmaja</i>	
Unsupervised Change Detection in Remote Sensing Images Using CNN Based Transfer Learning	463
<i>Josephina Paul, B. Uma Shankar, Balaram Bhattacharyya, and Alak Kumar Datta</i>	
Biological Sequence Embedding Based Classification for MERS and SARS	475
<i>Shamika Ganesan, S. Sachin Kumar, and K. P. Soman</i>	
Supply Path Optimization in Video Advertising Landscape	488
<i>Ujwala Musku and Prakhar Yadav</i>	
Stack-Based CNN Approach to Covid-19 Detection	500
<i>V. S. Suryaa and Z. Sayf Hussain</i>	

Performance Analysis of Various Classifiers for Social Intimidating Activities Detection	512
<i>Mansi Mahendru and Sanjay Kumar Dubey</i>	
Technique for Enhancing the Efficiency and Security of Lightweight IoT Devices	528
<i>Santosh P. Jadhav, Georgi Balabanov, and Vladimir Poulkov</i>	
Performance Improvement in Deep Learning Architecture for Phonocardiogram Signal Classification Using Spectrogram	538
<i>R. Sai Kesav, M. Bhanu Prakash, Krishanth Kumar, V. Sowmya, and K. P. Soman</i>	
Performance Analysis of Machine Learning Techniques in Device Free Localization in Indoor Environment.	550
<i>K. S. Anusha, R. Ramanathan, and M. Jayakumar</i>	
D-Leach: An Energy Optimized Deterministic Sub-clustering and Multi-hop Routing Protocol for Wireless Sensor Networks.	561
<i>Subhash Chandra Gupta and Mohammad Amjad</i>	
Robust Image Watermarking Using Support Vector Machine and Multi-objective Particle Swarm Optimization	571
<i>Kapil Jain and Parmalik Kumar</i>	
Generalized Intuitionistic Fuzzy Entropy on IF-MARCOS Technique in Multi-criteria Decision Making	592
<i>Rishikesh Chaurasiya and Divya Jain</i>	
Feature Selection in Machine Learning by Hybrid Sine Cosine Metaheuristics	604
<i>Nebojsa Bacanin, Aleksandar Petrovic, Miodrag Zivkovic, Timea Bezdan, and Milos Antonijevic</i>	
Rainfall Prediction Using Logistic Regression and Support Vector Regression Algorithms.	617
<i>Srikantaiah K. C and Meenaxi M. Sanadi</i>	
Collaborative Recommender System (CRS) Using Optimized SGD - ALS . . .	627
<i>Gopal Behera and Neeta Nain</i>	
Violence Detection from CCTV Footage Using Optical Flow and Deep Learning in Inconsistent Weather and Lighting Conditions	638
<i>R. Madhavan, Utkarsh, and J. V. Vidhya</i>	
Speech Based Multiple Emotion Classification Model Using Deep Learning	648
<i>Shakti Swaroop Patneedi and Nandini Kumari</i>	

A Legal-Relationship Establishment in Smart Contracts: Ontological Semantics for Programming-Language Development	660
<i>Vimal Dwivedi and Alex Norta</i>	
Aspect Based Sentiment Analysis – An Incremental Model Learning Approach Using LSTM-RNN	677
<i>Alka Londhe and P. V. R. D. Prasada Rao</i>	
Cloud Based Exon Prediction Using Maximum Error Normalized Logarithmic Algorithms	690
<i>Md. Zia Ur Rahman, Annabathuni Chandra Haneesh, Bhimireddy Shanmukha Sai Reddy, Sala Surekha, and Putluri Srinivasareddy</i>	
Unsupervised Learning of Visual Representations via Rotation and Future Frame Prediction for Video Retrieval.	701
<i>Vidit Kumar, Vikas Tripathi, and Bhaskar Pant</i>	
Application of Deep Learning in Classification of Encrypted Images	711
<i>Geetansh Saxena, Girish Mishra, and Noopur Shrotriya</i>	
Ear Recognition Using Pretrained Convolutional Neural Networks	720
<i>K. R. Resmi and G. Raju</i>	
An Adaptive Service Placement Framework in Fog Computing Environment.	729
<i>Pankaj Sharma and P. K. Gupta</i>	
Efficient Ink Mismatch Detection Using Supervised Approach	739
<i>Garima Jaiswal, Arun Sharma, and Sumit Kumar Yadav</i>	
Author Index	747

Contents – Part II

Predicting Seasonal Vaccines and H1N1 Vaccines Using Machine Learning Techniques	1
<i>Sourav P. Adi, Keshav V. Bharadwaj, and Vivek Bettadapura Adishesha</i>	
Handling Class Imbalance in Electroencephalography Data Using Synthetic Minority Oversampling Technique	12
<i>Vibha Patel, Jaishree Tailor, and Amit Ganatra</i>	
Dissemination of Firm’s Market Information: Application of Kermack-Mckendrick SIR Model	22
<i>Renji George Amballoor and Shankar B. Naik</i>	
Improving Image-Based Dialog by Reducing Modality Biases	33
<i>Jay Gala, Hrishikesh Shenai, Pranjal Chitale, Kaustubh Kekre, and Pratik Kanani</i>	
Dependency Parser for Hindi Using Integer Linear Programming	42
<i>R. Sai Kesav, B. Premjith, and K. P. Soman</i>	
Medical Records Management Using Distributed Ledger and Storage	52
<i>Samia Anjum, R. Ramaguru, and M. Sethumadhavan</i>	
Detection of Depression and Suicidal Ideation on Social Media: An Intrinsic Review	63
<i>Sanat Madkar, Tanay Maheshwari, Mann Merani, Rahil Merchant, and Pankti Doshi</i>	
Frequency Based Feature Extraction Technique for Text Documents in Tamil Language	76
<i>M. Mercy Evangeline, K. Shyamal, L. Barathi, and R. Sandhya</i>	
An Approach of Devanagari License Plate Detection and Recognition Using Deep Learning.	85
<i>Pankaj Raj Dawadi, Manish Pokharel, and Bal Krishna Bal</i>	
COMBINE: A Pipeline for SQL Generation from Natural Language	97
<i>Youssef Mellah, Abdelkader Rhouati, El Hassane Ettifouri, Toumi Bouchentouf, and Mohammed Ghaouth Belkasm</i>	
Recognition of Isolated Gestures for Indian Sign Language Using Transfer Learning	107
<i>Kinjal Mistree, Devendra Thakor, and Brijesh Bhatt</i>	

A Study of Five Models Based on Non-clinical Data for the Prediction of Diabetes Onset in Medically Under-Served Populations	116
<i>Rohit Srivastava, Sandeep Kumar, Vivudh Fore, and Ravi Tomar</i>	
Representation and Visualization of Students' Progress Data Through Learning Dashboard	125
<i>Anagha Vaidya and Sarika Sharma</i>	
Denoising of Computed Tomography Images for Improved Performance of Medical Devices in Biomedical Engineering	136
<i>Harjinder Kaur, Deepti Gupta, and Mamta Juneja</i>	
Image Dehazing Through Dark Channel Prior and Color Attenuation Prior. . .	147
<i>Jacob John and Prabu Sevugan</i>	
Predicting the Death of Road Accidents in Bangladesh Using Machine Learning Algorithms	160
<i>Md. Abu Bakkar Siddik, Md. Shohel Arman, Afia Hasan, Mahmuda Rawnak Jahan, Majharul Islam, and Khalid Been Badruzzaman Biplob</i>	
Numerical Computation of Finite Quaternion Mellin Transform Using a New Algorithm.	172
<i>Khinal Parmar and V. R. Lakshmi Gorty</i>	
Predictive Modeling of Tandem Silicon Solar Cell for Calculating Efficiency.	183
<i>S. V. Katkar, K. G. Kharade, N. S. Patil, V. R. Sonawane, S. K. Kharade, and R. K. Kamat</i>	
Text Summarization of an Article Extracted from Wikipedia Using NLTK Library	195
<i>K. G. Kharade, S. V. Katkar, N. S. Patil, V. R. Sonawane, S. K. Kharade, T. S. Pawar, and R. K. Kamat</i>	
Grapheme to Phoneme Mapping for Tamil Language	208
<i>M. Geerthana Anusha, D. Govind, and Vijay Krishna Menon</i>	
Comparative Study of Physiological Signals from Empatica E4 Wristband for Stress Classification	218
<i>Varun Chandra, Ankit Priyarup, and Divyashikha Sethia</i>	
An E-Commerce Prototype for Predicting the Product Return Phenomenon Using Optimization and Regression Techniques	230
<i>Vidya Rajasekaran and R. Priyadarshini</i>	

Crop Yield Prediction for India Using Regression Algorithms.	241
<i>Devansh Hiren Timbadia, Sughosh Sudhanvan, Parin Jigishu Shah, and Supriya Agrawal</i>	
A Novel Framework for Multimodal Twitter Sentiment Analysis Using Feature Learning.	252
<i>Jamuna S. Murthy, Amulya C. Shekar, Drishti Bhattacharya, R. Namratha, and D. Sripriya</i>	
An Iterative Approach Based Reversible Data Hiding with Weight Update for Dual Stego Images.	262
<i>C. Shaji and I. Shatheesh Sam</i>	
Lower and Upper Bounds for ‘Useful’ Renyi Information Rate.	271
<i>Pankaj Prasad Dwivedi and D. K. Sharma</i>	
Sign Language Recognition Using Convolutional Neural Network	281
<i>Mihir Gandhi, Priyam Shah, Devansh Solanki, and Prasanna Shete</i>	
Prediction of Stock Price for Indian Stock Market: A Comparative Study Using LSTM and GRU	292
<i>Shwetha Salimath, Triparna Chatterjee, Titty Mathai, Pooja Kamble, and Megha Kolhekar</i>	
Early Prediction of Cardiovascular Disease Among Young Adults Through Coronary Artery Calcium Score Technique.	303
<i>Anurag Bhatt, Sanjay Kumar Dubey, and Ashutosh Kumar Bhatt</i>	
Confidentiality Leakage Analysis of Database-Driven Applications	313
<i>Angshuman Jana and Anwesha Kashyap</i>	
Comparative Learning of on Request Direction-Finding Procedures in WSNs	324
<i>Rakesh Kumar Saini, Mayank Singh, and Nishant Gupta</i>	
ECG Based Stress Detection in Automobile Drivers Using Long Short-Term Memory (LSTM) Network	333
<i>Ramyashri B. Ramteke and Vijaya R. Thool</i>	
Evaluation of Soil Moisture for Estimation of Irrigation Pattern by Using Machine Learning Methods	343
<i>Abhishek Khanna and Sanmeet Kaur</i>	
Sentiment Analysis in Online Learning Environment: A Systematic Review	353
<i>Sarika Sharma, Vipin Tyagi, and Anagha Vaidya</i>	

Image Splicing Forgery Detection Techniques: A Review 364
 Kunj Bihari Meena and Vipin Tyagi

A Predictive Model for Classification of Breast Cancer Data Sets 389
 S. Venkata Achuta Rao and Pamarthi Rama Koteswara Rao

Impact of COVID-19 on the Health of Elderly Person 404
 Ravindra Kumar

The Determinants of Visit Frequency and Buying Intention at Shopping
Centers in Vietnam 412
 Dam Tri Cuong and Nguyen Thanh Long

Author Index 423