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Revised Selected Papers, Part I

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Preface

Computing techniques like big data, cloud computing, machine learning, the Internet of Things etc. are playing the key role in processing of data and retrieval of advanced information. Several state-of-art techniques and computing paradigms have been proposed based on these techniques. This volume contains papers presented at the Third International Conference on Advances in Computing and Data Sciences (ICACDS 2019) held during April 12–13, 2019, at Inderprastha Engineering College, Ghaziabad, UP, India. The conference was organized specifically to help researchers, academics, scientists, and industry come together 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 2019 is extremely grateful to the authors who showed an overwhelming response to the call for papers submitting over 621 papers in two tracks in advanced computing and data sciences. All submitted papers went through a peer review process and finally 112 papers were accepted for publication in Springer's CCIS series. We are very thankful to our reviewers for their efforts in finalizing the high-quality papers.

The conference featured many distinguished personalities including Prof. K. K. Agarwal, Chairman-NAAC, Prof. J. S. P. Rai, Vice Chancellor Jaypee University of Engineering and Technology, Raghuagarh, Guna; Prof. Rajkumar Buyya, University of Melbourne, Australia; Prof. Viranjay M. Srivastava, University of KwaZulu-Natal, Durban, South Africa; Prof. Baisakhi Chakraborty, National Institute of Technology, Durgapur; Prof. Parteek Bhatia, Thapar Institute of Engineering and Technology, Patiala, India; Prof. S. K. Mishra, Majmaah University, Saudi Arabia; Prof. Arun Sharma, Indira Gandhi Delhi Technical University for Women, India; Prof. Prathmesh Churi, NMIMS University, Mumbai; Dr. Anup Girdhar, CEO and Founder, Sedulity Solutions & Technology, 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 2019 is indebted to Prof. B. C. Sharma, Director Inderprastha Engineering College, for the confidence that he invested in us in organizing this international conference, and all the faculty and staff of the CSE Department, IPEC, Ghaziabad for their support in organizing the conference and for making it a grand success.

We would also like to thank Dr. Divya Jain, JUET Guna; Dr. Neelesh Jain, JUET Guna; Dr. Prateek Pandey, JUET Guna; Dr. Nilesh Patel, JUET Guna; Dr. Ratnesh Litoriya, JUET Guna; Mr. Kunj Bihari Meena, JUET Guna; Dr. Deepshikha Tiwary, Thapar University Patiala; Dr. Ghanshyam Raghuwanshi, Manipal University, Jaipur; Dr. Vibhash Yadav, REC Banda; Dr. Sandhya Tarar, GBU Noida; Mr. Nishant Gupta, MGM CoET, Noida; Mr. Rohit Kapoor, SK Info Techies; Mr. Akshay Chaudhary and

Ms. Akansha Singh from GISR Foundation; Mr. Deepak Singh, Mr. Atul Kumar, and Ms. Shivani Gupta from Consilio Intelligence Research Lab for their support. Our sincere thanks to Consilio Intelligence Research Lab, GISR Foundation, Print Canvas, IP Moment, Apron, VGeekers and Tricky Plants for sponsoring the event.

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Contents – Part I

Data Sciences

Comparative Analysis of Cognitive Neurodynamics on AMIGOS Dataset Versus Prepared Dataset.	3
<i>Rubleen Kaur, Rupali Gill, and Jaiteg Singh</i>	
Business Forecasting in the Light of Statistical Approaches and Machine Learning Classifiers	13
<i>Prasun Chakrabarti, Biswajit Satpathy, Siddhant Bane, Tulika Chakrabarti, Narendra S. Chaudhuri, and Pierluigi Siano</i>	
Real Time Prediction of American Sign Language Using Convolutional Neural Networks	22
<i>Shobhit Sinha, Siddhartha Singh, Sumanu Rawat, and Aman Chopra</i>	
Hybridization of Fuzzy Min-Max Neural Networks with kNN for Enhanced Pattern Classification	32
<i>Anil Kumar and P. S. V. S. Sai Prasad</i>	
Individualized Patient-Centered Type 2 Diabetes Recommender System.	45
<i>Nishat Afreen, Shrey Singh, and Sanjay Kumar</i>	
CAD Data Computing for Component Type Realization and Assembly Sequence Generation	55
<i>Umeshchandra Mane, Venkatesh Jonnalagedda, and Balaji Dabade</i>	
Methods to Distinguish Photorealistic Computer Generated Images from Photographic Images: A Review	64
<i>Kunj Bihari Meena and Vipin Tyagi</i>	
A Novel Approach for Automatic Diagnosis of Skin Carcinoma from Dermoscopic Images Using Parallel Deep Residual Networks	83
<i>Rahul Sarkar, Chandra Churh Chatterjee, and Animesh Hazra</i>	
Identification of Various Neurological Disorders Using EEG Signals.	95
<i>Aarti Sharma, J. K. Rai, and R. P. Tewari</i>	
Neural Networks Based Cancer Classification Model Using CT-PET Fused Images	104
<i>S. Srimathi, G. Yamuna, and R. Nanmaran</i>	
A Deep Learning Approach to Speech Recognition of Digits	117
<i>Gagan Gopinath, Joel Kiran Kumar, Nirmitt Shetty, and S. S. Shylaja</i>	

An Architecture for Analysis of Mobile Botnet Detection Using Machine Learning	127
<i>Ashok Patade and Narendra Shekokar</i>	
Thyroid Prediction Using Machine Learning Techniques	140
<i>Sagar Raisinghani, Rahul Shamdasani, Mahima Motwani, Amit Bahreja, and Priya Raghavan Nair Lalitha</i>	
An Iterative Scheme for a Class of Fractional Order Perturbed Differential Equations	151
<i>Rupsha Roy and Kotapally Harish Kumar</i>	
A Novel Algorithm to Compute Stable Groups in Signed Social Networks	164
<i>Lakshmi Satya Vani Narayanam and Satish V. Motammanavar</i>	
Deep Convolution Neural Network Based Denoiser for Mammographic Images.	177
<i>Gurprem Singh, Ajay Mittal, and Naveen Aggarwal</i>	
Detection of Brain Tumor Using Machine Learning Approach	188
<i>Chadha Megha and Jain Sushma</i>	
Fuzzy Petri Net Representation of Fuzzy Production Propositions of a Rule Based System.	197
<i>Sakshi Gupta, Sunita Kumawat, and Gajendra Pratap Singh</i>	
Fraud Detection in Medical Insurance Claim with Privacy Preserving Data Publishing in TLS-N Using Blockchain	211
<i>Thanusree Mohan and K. Praveen</i>	
MR Brain Image Tumor Classification via Kernel SVM with Different Preprocessing Techniques.	221
<i>Asmita Dixit and Aparajita Nanda</i>	
Attribute-Based Deterministic Access Control Mechanism (AB-DACM) for Securing Communication in Internet of Smart Health Care Things	231
<i>Ankur Lohachab and Ajay Jangra</i>	
An Enhanced Genetic Virtual Machine Load Balancing Algorithm for Data Center.	244
<i>Mala Yadav and Jay Shankar Prasad</i>	
A Study of Deep Learning Methods for Mitotic Cell Detection Towards Breast Cancer Diagnosis	254
<i>S. Kaushik, S. Vijaya Raghavan, and B. Sivaselvan</i>	

Hybrid Approaches for Brain Tumor Detection in MR Images	264
<i>Prabhjot Kaur Chahal, Shreelekha Pandey, and Shivani Goel</i>	
SeLF: A Deep Neural Network Based Multimodal Sequential Late Fusion Approach for Human Emotion Recognition	275
<i>Anitha Modi and Priyanka Sharma</i>	
Animal-Vehicle Collision Mitigation Using Deep Learning in Driver Assistance Systems	284
<i>Mudit Goswami, V. Prem Prakash, and Dhruv Goswami</i>	
Classification of Parkinson’s Disease Using Various Machine Learning Techniques	296
<i>Tamanna Sood and Padmavati Khandnor</i>	
Detection of Malignant Melanoma Using Deep Learning	312
<i>Savy Gulati and Rosepreet Kaur Bhogal</i>	
SARPS: Sentiment Analysis of Review(S) Posted on Social Network	326
<i>Sumedha and Rahul Johari</i>	
Impact of Feature Extraction Techniques on a CBIR System	338
<i>Ghanshyam Raghuwanshi and Vipin Tyagi</i>	
Convolutional Feature Extraction and Neural Arithmetic Logic Units for Stock Prediction.	349
<i>Shangeth Rajaa and Jajati Keshari Sahoo</i>	
VMProtector: Malign Process Detection for Protecting Virtual Machines in Cloud Environment	360
<i>Preeti Mishra, Akash Negi, E. S. Pilli, and R. C. Joshi</i>	
Comparative Analysis of Ensemble Methods for Classification of Android Malicious Applications	370
<i>Meghna Dhalaria, Ekta Gandotra, and Suman Saha</i>	
Risk Analysis for Long-Term Stock Market Trend Prediction	381
<i>Rounak Bose, Amit Das, Jayanta Poray, and Supratim Bhattacharya</i>	
Evaluating Accessibility and Usability of Airline Websites	392
<i>Gaurav Agrawal, Devendra Kumar, Mayank Singh, and Diksha Dani</i>	
Amazon Reviews as Corpus for Sentiment Analysis Using Machine Learning	403
<i>Akhila Ravi, Akash Raj Khettry, and Sneha Yelandur Sethumadhavachar</i>	
Blockchain for the Internet of Vehicles	412
<i>R. Ramaguru, M. Sindhu, and M. Sethumadhavan</i>	

Implementation of Smart Indoor Agriculture System and Predictive Analysis	424
<i>Md. Salah Uddin, Md. Asaduzzaman, Rafia Farzana, Md. Samaun Hasan, Mizanur Rahman, and Shaikh Muhammad Allayear</i>	
Data Dimensionality Reduction (DDR) Scheme for Intrusion Detection System Using Ensemble and Standalone Classifiers.	436
<i>Ashu Bansal and Sanmeet Kaur</i>	
Short Term Forecasting of Agriculture Commodity Price by Using ARIMA: Based on Indian Market.	452
<i>Anil KumarMahto, Ranjit Biswas, and M. Afshar Alam</i>	
Recent Research on Data Analytics Techniques for Internet of Things.	462
<i>Chetna Dabas</i>	
Information Delivery System for Early Forest Fire Detection Using Internet of Things	477
<i>Ravi Tomar, Rahul Tiwari, and Sarishma</i>	
An Experimental Analysis of Similarity Measures Effect for Identification of Software Component Composition of Services Based on Use-Cases	487
<i>Amit Kumar Srivastava and Shishir Kumar</i>	
Quantitative Analysis of Drinking Water Quality for Long Term Water Borne Diseases	500
<i>Kamidi Prasanth, Sabbi Vamshi Krishna, Sanniti Rama Krishna, and Kondapalli Jayaram Kumar</i>	
Author Index	509

Contents – Part II

Advanced Computing

A Face Detection Using Support Vector Machine: Challenging Issues, Recent Trend, Solutions and Proposed Framework	3
<i>Suraj Makkar and Lavanya Sharma</i>	
Empirical Study of Test Driven Development with Scrum	13
<i>Vikas Aggarwal and Anjali Singhal</i>	
Microprocessor Based Edge Computing for an Internet of Things (IoT) Enabled Distributed Motion Control	22
<i>Wasim Ghder Soliman and D. V. Rama Koti Reddy</i>	
Cyber Threat Analysis of Consumer Devices	32
<i>Hemant Gupta and Mayank Singh</i>	
Recognition of Hand Gestures and Conversion of Voice for Betterment of Deaf and Mute People	46
<i>Shubham Kr. Mishra, Sheona Sinha, Sourabh Sinha, and Saurabh Bilgaiyan</i>	
General Outlook of Wireless Body Area Sensor Networks	58
<i>Sharmila, Dhananjay Kumar, KumKum Som, Pramod Kumar, and Krista Chaudhary</i>	
Hybrid Fuzzy C-Means Using Bat Optimization and Maxi-Min Distance Classifier.	68
<i>Rahul Kumar, Rajesh Dwivedi, and Ebenezer Jangam</i>	
Network Motifs: A Survey	80
<i>Deepali Jain and Ripon Patgiri</i>	
Multiple Image Watermarking for Efficient Storage and Transmission of Medical Images	92
<i>Rakhshan Anjum, Priyanka Verma, and Sunanda Verma</i>	
Empirical Analysis of Defects in Handheld Device Applications	103
<i>Mamta Pandey, Ratnesh Litoriya, and Prateek Pandey</i>	
Lexical Text Simplification Using WordNet	114
<i>Debabrata Swain, Mrunmayee Tambe, Preeti Ballal, Vishal Dolase, Kajol Agrawal, and Yogesh Rajmane</i>	

Analysis and Impact of Trust and Recommendation in Social Network Based Algorithm for Delay Tolerant Network.	123
<i>Abhilasha Rangra, Vivek Kumar Sehgal, and Shailendra Shukla</i>	
Formation of Hierarchies in the System of Organization of State Construction Supervision in Case of Reorientation of Urban Areas	134
<i>Dmitriy Topchiy and Andrey Tokarskiy</i>	
Customized Visualization of Email Using Sentimental and Impact Analysis in R.	144
<i>V. Roopa and K. Induja</i>	
Role of Lexical and Syntactic Fixedness in Acquisition of Hindi MWEs	155
<i>Rakhi Joon and Archana Singhal</i>	
Five Input Multilayer Full Adder by QCA Designer	164
<i>D. Naveen Sai, G. Surya Kranth, Damarla Paradhasaradhi, R. S. Ernest Ravindran, M. Lakshmana Kumar, and K. Mariya Priyadarshini</i>	
Effect of Vaccination in the Computer Network for Distributed Attacks – A Dynamic Model	175
<i>Yerra Shankar Rao, Hemraj Saini, Geetanjali Rathee, and Tarini Charan Panda</i>	
Ransomware Analysis Using Reverse Engineering.	185
<i>S. Naveen and T. Gireesh Kumar</i>	
Semantic Textual Similarity and Factorization Machine Model for Retrieval of Question-Answering	195
<i>Nivid Limbasiya and Prateek Agrawal</i>	
Krishna: An Interactive Mobile Application for Autism Children	207
<i>Amrita Tulshan and Nataasha Raul</i>	
Advanced Spatial Reutilization for Finding Ideal Path in Wireless Sensor Networks.	219
<i>A. Basi Reddy, P. Liyaz, B. Surendra Reddy, K. Manoj Kumar, and K. Sathish</i>	
An Efficient Preprocessing Step for Retinal Vessel Segmentation via Optic Nerve Head Exclusion.	228
<i>Farha Fatima Wahid and G. Raju</i>	
An Upper Bound for Sorting R_n with LE.	240
<i>Sai Satwik Kuppli, Bhadrachalam Chitturi, and T. Srinath</i>	

Image Filtering with Iterative Wavelet Transform Based Compression	250
<i>Vikas Mahor, Srishti Agrawal, and Rekha Gupta</i>	
Multiresolution Satellite Fusion Method for INSAT Images	263
<i>B. Bharathidasan and G. Thirugnanam</i>	
A Combinatorial Fair Economical Double Auction Resource Allocation Model	272
<i>Ritu Singhal and Archana Singhal</i>	
Issues in Training a Convolutional Neural Network Model for Image Classification	282
<i>Soumya Joshi, Dharendra Kumar Verma, Gaurav Saxena, and Amit Paraye</i>	
An Approach to Find Proper Execution Parameters of n-Gram Encoding Method Based on Protein Sequence Classification.	294
<i>Suprativ Saha and Tanmay Bhattacharya</i>	
Hyperglycemia Prediction Using Machine Learning: A Probabilistic Approach	304
<i>Vishwas Agrawal, Pushpa Singh, and Sweta Sneha</i>	
Text Caption Generation Based on Lip Movement of Speaker in Video Using Neural Network	313
<i>Dipti Pawade, Avani Sakhapara, Chaitya Shah, Jigar Wala, Ankitmani Tripathi, and Bhavikk Shah</i>	
Legendre Wavelet Quasilinearization Method for Nonlinear Klein-Gordon Equation with Initial Conditions	323
<i>Kotapally Harish Kumar</i>	
Runtime Verification and Vulnerability Testing of Smart Contracts	333
<i>Misha Abraham and K. P. Jevitha</i>	
A Smart Embedded System Model for the AC Automation with Temperature Prediction	343
<i>F. M. Javed Mehedi Shamrat, Shaikh Muhammad Allayear, Md. Farhad Alam, Md. Ismail Jabiullah, and Razu Ahmed</i>	
Rough-Set Based Hotspot Detection in Spatial Data	356
<i>Mohd Shamsh Tabarej and Sonajharia Minz</i>	
DDoS Attack Detection and Clustering of Attacked and Non-attacked VMs Using SOM in Cloud Network	369
<i>Nitesh Bharot, Veenadhari Suraparaju, and Sanjeev Gupta</i>	

An Efficient Knowledge-Based Text Pre-processing Approach for Twitter and Google+	379
<i>Tripti Agrawal and Archana Singhal</i>	
Drought Prediction and River Network Optimization in Maharashtra Region.	390
<i>Sakshi Subedi, Krutika Pasalkar, Girisha Navani, Saili Kadam, and Priya Raghavan Nair Lalitha</i>	
Classifying Question Papers with Bloom’s Taxonomy Using Machine Learning Techniques	399
<i>Minni Jain, Rohit Beniwal, Aheli Ghosh, Tanish Grover, and Utkarsh Tyagi</i>	
Polynomial Topic Distribution with Topic Modeling for Generic Labeling . . .	409
<i>Syeda Sumbul Hossain, Md. Rezwan Ul-Hassan, and Shadikur Rahman</i>	
Comparative Performance of Machine Learning Algorithms for Fake News Detection	420
<i>Arvinder Pal Singh Bali, Mexson Fernandes, Sourabh Choubey, and Mahima Goel</i>	
Pedestrian Intention Detection Using Faster RCNN and SSD	431
<i>Debapriyo Roy Chowdhury, Priya Garg, and Vidya N. More</i>	
Implementation of Smart Legal Assistance System in Accordance with the Indian Penal Code Using Similarity Measures	440
<i>Dipti Pawade, Avani Sakhapara, Hussain Ratlamwala, Siddharth Mishra, Samreen Shaikh, and Dhrumil Mehta</i>	
A Review on Facial Expression Based Behavioral Analysis Using Computational Technique for Autistic Disorder Patients.	450
<i>Camellia Ray, Hrudaya Kumar Tripathy, and Sushruta Mishra</i>	
Smart Learning System Based on EEG Signals.	465
<i>Aaditya Sharma, Swadha Gupta, Sawinder Kaur, and Parteek Kumar</i>	
Optical Character and Font Recognizer	477
<i>Manan Rajdev, Diksha Sahay, Shambhavi Khare, and Sumita Nainan</i>	
Association Rule Mining for Customer Segmentation in the SMEs Sector Using the Apriori Algorithm.	487
<i>Jesús Silva, Mercedes Gaitan Angulo, Danelys Cabrera, Sadhana J. Kamatkar, Hugo Martínez Caraballo, Jairo Martínez Ventura, John Anderson Virviescas Peña, and Juan de la Hoz – Hernandez</i>	

Recommendation of an Integrated Index for the Quality of Educational Services Using Multivariate Statistics.	498
<i>Omar Bonerge Pineda Lezama, Rafael Luciano Gómez Dorta, Noel Varela Izquierdo, Jesús Silva, and Sadhana J. Kamatkar</i>	
Windows Based Interactive Application to Replicate Artworks in Virtual Environment	509
<i>Apurba Ghosh, Anindya Ghosh, and Jia Uddin</i>	
Enhanced Bag-of-Features Method Using Grey Wolf Optimization for Automated Face Retrieval	519
<i>Arun Kumar Shukla and Suvendu Kanungo</i>	
A Context-Aware Approach to Enhance Service Utility for Location Privacy in Internet of Things	529
<i>Shivangi Shukla and Sankita J. Patel</i>	
Cyberbullying Detection in Hindi-English Code-Mixed Language Using Sentiment Classification	543
<i>Shrikant Tarwani, Manan Jethanandani, and Vibhor Kant</i>	
Effective Predictive Analytics and Modeling Based on Historical Data.	552
<i>Sheikh Mohammad Idrees, M. Afshar Alam, Parul Agarwal, and Lubna Ansari</i>	
Efficient Ballot Casting in Ranked Based Voting System Using Homomorphic Encryption	565
<i>Bhumika Patel, Purvi Tandel, and Slesha Sanghvi</i>	
Topic Modelling with Fuzzy Document Representation	577
<i>Nadeem Akhtar, M. M. Sufyan Beg, and Hira Javed</i>	
Security Validation of Cloud Based Storage	588
<i>Shruti Jaiswal and Daya Gupta</i>	
A Literature Survey on Eye Corner Detection Techniques in Real-Life Scenarios	597
<i>M. Zefree Lazarus, Supratim Gupta, and Nidhi Panda</i>	
Prediction Studies of Landslides in the Mangan and Singtam Areas Triggered by 2011 Sikkim Earthquake	609
<i>Aadityan Sridharan and Sundararaman Gopalan</i>	
Quantitative Analysis of Feature Extraction Techniques for Isolated Word Recognition	618
<i>Chesta Agarwal, Pinaki Chakraborty, Serena Barai, and Vaibhav Goyal</i>	

Mathematical Analysis of Image Information Retained in the Complex Domain Phases Under Additive and Multiplicative Noise	628
<i>Susant Kumar Panigrahi and Supratim Gupta</i>	
Comparative Study of Segmentation Techniques Used for Optic Disc Segmentation	643
<i>Shivesh Madhawa Shukla, Amit Kaul, and Ravinder Nath</i>	
Next Generation Noise and Affine Invariant Video Watermarking Scheme Using Harris Feature Extraction	655
<i>Himanshu Agarwal, Farooq Husain, and Praveen Saini</i>	
Presentation Abstraction Control Architecture Pattern in Business Intelligence	666
<i>Aksha Iyer, Sara Bali, Ishita Kumar, Prathamesh Churi, and Kamal Mistry</i>	
Discriminative Gait Features Based on Signal Properties of Silhouette Centroids	680
<i>K. Sugandhi and G. Raju</i>	
An Algorithm for Prediction of Web User Navigation Pattern and Restructuring of Web Structure Based on Visitor's Web Access Pattern.	689
<i>Deepak Mangal, Saurabh Singhal, and Dilip Sharma</i>	
Computational Representation of Paninian Rules of Sanskrit Grammar for Dictionary-Independent Machine Translation	701
<i>Vishvajit Bakarola and Jitendra Nasriwala</i>	
QoS Based Resource Provisioning in Cloud Computing Environment: A Technical Survey	711
<i>Shefali Varshney, Rajinder Sandhu, and P. K. Gupta</i>	
Optimizing Smart Parking System by Using Fog Computing	724
<i>Righa Tandon and P. K. Gupta</i>	
Formal-Verification of Smart-Contract Languages: A Survey	738
<i>Vimal Dwivedi, Vipin Deval, Abhishek Dixit, and Alex Norta</i>	
Author Index	749