



2019 Second International Conference on Advanced Computational and Communication Paradigms (ICACCP)



Organized by
Department of Computer Science and Engineering
Sikkim Manipal Institute of Technology, Sikkim, India
Date: February 25-28, 2019

Track-V: Computer Vision and Image Processing | Venue: Seminar Hall

Day II Date: 26th February 2019 (Tuesday) Time: 2.00-7.30 PM	Session Chair: Dr. Sekhar Mandal, Indian Institute of Engineering Science and Technology, India Co-Chair: Dr. Sourav De, Cooch Behar Government Engineering College, India	
	Paper #	Paper Details
	1570497127	<i>G Sucharitha</i> , “Local Extreme Co-occurrence Edge Binary Pattern for Bio-medical Image Retrieval”
	1570497625	<i>Swadesh Maurya and Ayesha Choudhary</i> , “Pedestrian Detection and Vulnerability Decision in Videos”
	1570497626	<i>Pramod Soni and Ayesha Choudhary</i> , “Automated Fall Detection from a Camera Using Support Vector Machine”
	1570502868	<i>Tiken Singh Moirangthem, Parismita Bharali and Chandrika Bhuyan</i> , “Automated Detection of Diabetic Retinopathy”
	1570503214	<i>Isha Suwalka</i> , “Machine Learning Using AMKSOM for Identifying Tumor Around Edema Region”
	1570503784	<i>Surojit Dey and Mirzanur Rahman</i> , “Application of Image Processing and Data Mining Techniques for Traffic Density Estimation and Prediction”
	1570503804	<i>Suparna Biswas, Jaya Sil and Santi Prasad Maity</i> , “Compressive Sensing Based Expression Recognition”
	1570503844	<i>Shobhanjana Kalita, Arindam Karmakar and Shyamanta Hazarika</i> , “Human Fall Detection During Activities of Daily Living Using Extended CORE9”
	1570503954	<i>Ashwin Geet D'Sa and Prasad B. G.</i> , “A Survey on Vision Based Activity Recognition Its Applications and Challenges”
	1570506799	<i>Suni S S</i> , “Fusing Multimodal Features for Recognizing Hand Gestures”
	1570507409	<i>Sumit Kumar Chatterjee</i> , “An Efficient Motion Estimation Algorithm for Mobile Video Applications”
	1570507652	<i>Saroj Kumar Chandra and Manish Bajpai</i> , “Image Enhancement Using Fractional Partial Differential Equation”
	1570507656	<i>Soumi Ray and Vinod Kumar</i> , “Identification of Abnormal Brain Images from CT Image Dataset”
	1570507765	<i>Palash Ghosal, Lokesh Nandanwar, Swati Kanchan, Ashok Bhadra, Jayasree Chakraborty and Debashis Nandi</i> ” Brain Tumor Classification Using ResNet-101 Based Squeeze and Excitation Deep Neural Network”
1570507884	<i>Amrit Swaroop Sinha, Aniq Ur Rahman, Ravi Kant Kumar and Goutam Sanyal</i> , “Enhancing Face Recognition Through Overlaying Training Images”	
1570507946	<i>Subhrajyoti Maji and John Dingliana</i> , “Perceptually Optimized Color Maps for Visualizing Large Numbers of Features”	





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1570507951	<i>Meghana Nagori, Rushikesh Jachak and Purva Chaudhari, "A Framework for Segregating Solid Waste by Employing the Technique of Image Annotation"</i>
1570508493	<i>Kalpita Dutta, Nibaran Das, Mahantapas Kundu and Mita Nasipuri, "Using Dynamic Routing to Extract Intermediate Features for Developing Scalable Capsule Networks"</i>
1570508949	<i>Ram Narayan Patro, Subhashree Subudhi and Pradyut Kumar Biswal, "Effect of Spatial Enhancement on Hyperspectral Image Classification"</i>
1570508950	<i>Subhashree Subudhi, Ram Narayan Patro and Pradyut Kumar Biswal, "Filtering Based Spatial-Spectral Feature Extraction for Hyperspectral Image Classification"</i>
1570508990	<i>Oinam Vivek Singh and Prakash Choudhary, "A Study on Convolution Neural Network for Breast Cancer Detection"</i>





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Track-IX: Electrical and Electronics Devices and Power Systems | Venue: AP Lab

<p>Day II Date: 26th February 2019 (Tuesday) Time: 2.00-8.00 PM</p>	<p>Session Chair: Dr. Singam Jayanthu, National Institute of Technology, Rourkela, India Co-Chair: Dr. Ravinder Agarwal, Thapar Institute of Engineering and Technology, India</p>	
	Paper #	Paper Details
	1570496794	<i>Kamal Sapkota and Chandra Sharma</i> , “Harmonic Analysis and Comparison Between Single Phase Three-Level Pulse Width Modulation (PWM) Inverter and Sinusoidal Pulse Width Modulation (SPWM) Inverter Implementing Analog Circuits”
	1570497446	<i>Santanu Mallick and Ujjwal Mondal</i> , “Comparative Performance Study of Lyapunov Based MRAC Technique and MRAC Augmented with PID Controller for Speed Control of a DC Motor”
	1570502516	<i>Narendra Chaulagain, Vasudha Hegde, Veda Sandeep Nagaraja and Veerapandi N</i> , “Design and Performance Analysis of Piezoresistive Circular Diaphragm Based Acoustic Sensor”
	1570502741	<i>Shreyas S Bharadwaj, Dinesh Yadav and Manish Tiwari</i> , “Design of an Automatic Dependent Surveillance-Broadcast (ADS-B) Monopole Antenna with Modified Ground Plane”
	1570503723	<i>Siddhartha and Maya Pai</i> , “Analysis of Weather Parameters on Electrical Energy Consumption of a Residential Building”
	1570503956	<i>Chayanika Sharma, Babak Montazer and Utpal Sarma</i> , “Optimisation and Implementation of a Vibrational Induced Energy Based Sensor System Using PVDF Cantilever”
	1570503963	<i>Raseswari Pradhan</i> , “Design and Analysis of an H _∞ Controller for a Single-Phase Grid Connected Photovoltaic System with Parametric Uncertainties”
	1570503974	<i>Zohming Liana, Lalthanpuii Kiangte, Satyabrata Dash and Rudra Sankar Dhar</i> , “Drift Diffusion and Advance Hydrodynamic Simulation for the Design of Double-Gate SOI MOSFET in Nano-Scale Regime”
	1570504042	<i>Tapash Kr. Das, Ayan Banik, Surajit Chattopadhyay and Arabinda Das</i> , “FFT Based Classification of Solar Photo Voltaic Microgrid System”
	1570504222	<i>Sulav Ghimire, Prabhat Dhital and Arbind Mishra</i> , “Small Signal Stability Analysis Toolbox: A MATLAB Based GUI”
	1570504302	<i>Tika Pokhrel and Rudra Sankar Dhar</i> , “Design and Analysis of Differentially Graded Double Gated Junctionless Transistors”
	1570504782	<i>Sulav Ghimire</i> , “Necessary Reforms on Integrated Nepal Power System (INPS) and Role of Government Sector: Lessons to Learn from Developed Countries”
1570504956	<i>Deepak Kumar Lal, Ajit Barisal and Satya Dinesh Madasu</i> , “AGC of a Two Area Nonlinear Power System Using BOA Optimized FOPID+PI Multistage Controller”	





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1570505228	<i>Md Kamal, Imtiaz Ashraf and Eugene Fernandez, "Energy Resource Planning for a Rural Microgrid: Comparison of Results using Different Optimization Algorithms"</i>
1570505322	<i>Sheeba Percis E, "Reactive Power Compensation Using Fuzzy Logic Controlled UPFC in a Hybrid Microgrid"</i>
1570507352	<i>Devnath Shah and Saibal Chatterjee, "An Efficient Common Cumulative Power Method for Market Clearing in Day Ahead Electricity Market"</i>
1570507413	<i>Sushant Chaudhari, Pramod Shendge and Shrivijay Phadke, "Disturbance Observer Based Model Following Controller for Four Wheel Steering Vehicles"</i>
1570507483	<i>Vijayraj Wanaskar, Pramod Shendge and Shrivijay Phadke, "A Disturbance Observer Based Sliding Mode Control for Anti-Lock Braking System"</i>
1570507526	<i>Dipanjana Ghose, Sreejita Naskar and Shabbir Uddin, "Q-GIS-MCDA Based Approach to Identify Suitable Biomass Facility Location in Sikkim (India)"</i>
1570507711	<i>Siddhartha Siddhartha, Vipin Valsan, Ankit Kapoor and Suyash Gupta, "Energy Conservation in Centrally Airconditioned Buildings Through Energy Modeling"</i>
1570508474	<i>Pakkiraiah Bhupanapati, PaulRatnakanth Pallam, HariBabu CH, V Hemanth Kumar, Gubba Sriviswanadh, Arisetti Manoj, Sunki reddy Venkat ramana and Edara Sreelatha, "Asynchronous Motor Drive's Improved Performance and Analysis with a New Modified Artificial Neural Network Based MPPT Controller"</i>
1570508723	<i>Ashwathi Suresh, Jane Salis and Shailesh R, "Lighting Optimization to Save Energy in an Indoor Sports Facility"</i>
1570508731	<i>Jane Salis, Ashwathi Suresh and Shailesh R, "Lighting Design of an Indoor Sports Facility- A Case Study"</i>





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Special Track-IX: Machine Learning Paradigms for Text Analysis and Bio-Signal Processing |

Venue: PGR-I Lab

Day II Date: 26th February 2019 (Tuesday) Time: 2.00-4.00 PM	Session Chair: Dr. Kamal Sarkar, Jadavpur University, Kolkata, India Co-Chair: Dr. Aakanksha Sharaff, National Institute of Technology, Raipur, India	
	Paper #	Paper Details
	1570483329	<i>Pradeep Kumar Tiwari, T Velayutham, Gyanendra Singh and Bivas Mitra, "Behaviour Based Authentication: A New Login Strategy for Smartphones"</i>
	1570504058	<i>Habib Masum, "Spider Chart Based Pictographic Image Comparison in Walking Speed Estimation"</i>
	1570504114	<i>Akhil VM, Jobin Varghese, Rajendrakumar P. K. and Sivanandan K. S, "Effect of VMD Decomposition of Soleus Muscle EMG in SVM Classification"</i>
	1570507714	<i>Najumnissa D, Alagumariappan Paramasivam, Bakiya A and Mohamed Syed Ali, "Analysis on the Effect of ECG Signals While Listening to Different Genres of Music"</i>
	1570507749	<i>Prithwijiit Mukherjee and Anisha Halder Roy, "Detection of Stress in Human Brain"</i>
	1570507773	<i>Muditha Tissera and Ruvan Weerasinghe, "Auto Generation of Gold Standard, Class Labeled Data Set and Ontology Extension Tool"</i>
	1570507885	<i>Anjali S, Meera M and MG Thushara, "A Graph Based Approach for Keyword Extraction from Documents"</i>
	1570507973	<i>Gouri Panda, Indrani Sahu and Susant Das, "A Rough Set Approach for Knowledge Acquisition on Vector-Borne Diseases"</i>

Special Track-I: Computational Neurosciences, Cognition, Bio-medical Engineering and Biotechnology |

Venue: PGR-I Lab

Day II Date: 26th February 2019 (Tuesday) Time: 4:15-6.00 PM	Session Chair: Dr. Tapan Kumar Gandhi, Indian Institute of Technology, Delhi	
	Paper #	Paper Details
	1570492242	<i>Satyabrat Malla Bujar Baruah, Plabita Gogoi and Soumik Roy, "From Cable Equation to Active and Passive Nerve Membrane Model"</i>
	1570497066	<i>Biswajit Das, Satyabrat Malla Bujar Baruah and Soumik Roy, "Velocity Profile of Alpha(A) Type and Gamma(r) Type Motor Neuron and Type III and Type IV Sensory Neuron"</i>
	1570503890	<i>Abhishek Jaju, Kamal Sharma, Namita Singh, Neeraj Jain and Soumitra Kar, "A Brain-Computer Interface for Arbitrary Pick and Place Tasks"</i>
1570507726	<i>Vijaya Harshita Tutari, Bijoy Da and Dipanwita Roy Chowdhury, "A Continuous Role-Based Authentication Scheme and Data Transmission Protocol for Implantable Medical Devices"</i>	





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Track-I: Advanced Computational Paradigms | Venue: SP Lab

Day II Date: 26th February 2019 (Tuesday) Time: 2.00-4.00 PM	Session Chair: Dr. Nibaran Das, Jadavpur University, Kolkata, India Co-Chair: Dr. Annapurna P Patil, Ramaiah Institute of Technology, Bangalore, India	
	Paper #	Paper Details
	1570497105	<i>Abhishek Jaju, Namita Singh and Sanjeev Sharma</i> , “Autonomous Robotics Rearrangement Of Nuclear Fuel Pellets For Formation Of Fixed Length Stacks”
	1570503927	<i>Ambika P S, Rajendrakumar P. K. and Rijil Ramchand</i> , “An Approach to Rolling Bearing Fault Diagnosis Using Fractal Descriptors and Regularized Least Squares”
	1570507376	<i>Jamuna S., Dinesha P., Shashikala K. P. and Kishore Kumar K.</i> , “Area Optimized Run –time Reconfigurable ALU For Digital Systems”
1570507777	<i>Sibun Parida ,Deepanjali Sharma and Zhumur Ghosh</i> , “AccessE-Algorithm to Detect the Accessible Segments During IncRNA-mRNA Interactions”	

Track-III: Cyber Security and Data Forensics | Venue: SP Lab

Day II Date: 26th February 2019 (Tuesday) Time: 4.15-6.00 PM	Session Chair: Dr. Debabrata Samanta, Dayananda Sagar Institute of Technology, Bangalore, India	
	Paper #	Paper Details
	1570487807	<i>Puneet Bakshi</i> , “Secure, Privacy Enhanced and Anonymous Communication Between Vehicle and Infrastructure”
	1570504022	<i>Anup Kumar Das and Mrinal Mandal</i> , “FPGA Based Chaotic Cryptosystem”
1570504028	<i>Jayashree Karmakar, Debashis Nandi and Mrinal Mandal</i> , “Hyper-chaotic Image Encryption Using ACM and GBS”	





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Special Track-III: Internet of Things (IoT) and Blockchain | Venue: MP Lab

Day II Date: 26th February 2019 (Tuesday) Time: 2.00-4.00 PM	Session Chair: Dr. Anirban Das, University of Engineering & Management, Kolkata, India	
	Paper #	Paper Details
	1570498180	<i>Mostafizur Laskar, Prasanta Kr.Sen, Shyamal Das Mandal</i> , “An IoT -based E-Health System Integrated with Wireless Sensor Network and Air Pollution Index”
	1570503862	<i>Rahatara Ferdousi, Parichay Mandal</i> , “LOAMY: a Cloud-based Middleware for CoAP-based Iot Service Discovery”
	1570504115	<i>Varun M Tayur, R Suchitra</i> , “A Comprehensive Ontology for Internet of Things (COIoT)”
	1570507442	<i>Sayan Hazra, Naburna Sengupta, Atana Pal, Somdeep Acharyya, Biplab Satpati</i> , “An Innovative Position Detection Pathway to Facilitate Low-Cost Home Automation”
	1570507953	<i>Pushpa PV</i> , “Internet of Things Based Context Aware Health Care Services”
	1570507972	<i>Nayana Hegde, Sunilkumar S. Manvi</i> , “MFZKAP: Multi-Factor Zero Knowledge Proof Authentication for Secure Service in Vehicular Cloud Computing”
1570508081	<i>Ishita, Divya Kulkarni, Tushar Semwal, Shivshankar B. Nair</i> , “On Securing Mobile Agents Using Blockchain Technology”	

Special Track-V: Big Data Analytics and Social Networking | Venue: MP Lab

Day II Date: 26th February 2019 (Tuesday) Time: 4.15-6.00 PM	Session Chair: Dr. Hardeo Kumar Thakur, Manav Rachana University, Faridabad, India	
	Paper #	Paper Details
	1570497179	<i>Praneetha Bose Kollipara, Lokesh Rgalla, Goldina Ghosh, Nivedita Kasturi</i> , “Selecting Project Team Members Through MBI Method: An Investigation with Homophily and Behavioural Analysis”
	1570497486	<i>Hema Shekhawat, Samiksha Sharma, Reetika Koli</i> , “Privacy-Preserving Techniques for Big Data Analysis in Cloud”
	1570507161	<i>Amita Kapoor, Narotam Singh, Vineeta Motilal</i> , “Modelling Social Networks Using Modified Hopfield Neural Network and Identity Leadership Traits”
1570507493	<i>Guesh Dagnev, B H Shekhar</i> , “Grid Search-Based Hyperparameter Tuning and Classification of Microarray Cancer Data”	





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ICACCP'19: Project Showcase & Poster Presentation | Venue: C Quad

	Paper #	Paper Details
Day II Date: 26th February 2019 (Tuesday) Time: 2.00-6.00 PM	1570495902	<i>Parimita Saikia, Anup Kr. Bordoloi</i> , “Study of Modified Rectangular Patch Antenna for Tuning Resonant Frequency in S- Band”
	1570496138	<i>Jyoti Grover</i> , “On Demand Multipath Routing Protocol for Emergency Ad Hoc Networks”
	1570502741	<i>Shreyas S Bharadwaj, Dinesh Yadav, Manish Tiwari</i> , “Design of an Automatic Dependent Surveillance-Broadcast (ADS-B) Monopole Antenna with Modified Ground Plane”
	1570502868	<i>Tiken Singh Moirangthem, Parismita Bharali, Chandrika Bhuyan</i> , “Automated Detection of Diabetic Retinopathy”
	1570503865	<i>Ginika Mahajan, Bhavna Saini</i> , “Malware Classification Using Machine Learning Algorithms and Tools”
	1570504042	<i>Tapash Kr. Das, Ayan Banik, Surajit Chattopadhyay, Arabinda Das</i> , “FFT Based Classification of Solar Photo Voltaic Microgrid System”
	1570508353	<i>Shruti Bhandari</i> , “Spectrum Sharing in Cognitive Radio Networks for 5G Vision”
	1570514008	<i>Saswati Bhattacharya, Mousumi Gupta</i> , “A Survey on: Facial Emotion Recognition Invariant to Pose, Illumination and Age”





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Track-VII: Adaptive Computation and Machine Learning | Venue: AP Lab

Session Chair: Dr. Sreeparna Banerjee, West Bengal University of Technology, India	
Paper #	Paper Details
1570497790	<i>Shubham Mohapatra</i> , “Segmentation Using Support Vector Machines”
1570503865	<i>Ginika Mahajan and Bhavna Saini</i> , “Malware Classification Using Machine Learning Algorithms and Tools”
1570503897	<i>Rohith P, Sidharth Sasi Kumar and Anju RC</i> , “Keyword Extraction from Malayalam News Articles Using Conditional Random Fields”
1570504802	<i>Monalisa Jena and Satchidananda Dehuri</i> , “Entropy Based Bayes' Rule for Coping Dimensionality Reduction in Predictive Task of Data Mining”
1570504867	<i>V Vaidhehi and R Suchithra</i> , “An Enhanced Approach Using Collaborative Filtering for Generating Under Graduate Program Recommendations”
1570507354	<i>Devnath Shah and Saibal Chatterjee</i> , “Optimal Placement of Time Flexible Supplier's Block Bid in a Day-Ahead Electric Market Using Genetic Algorithm”
1570507827	<i>Abhijit Banerjee, Dipendranath Ghosh and Suvrojit Das</i> , “Evolving Network Topology in Policy Gradient Reinforcement Learning Algorithms”
1570507840	<i>Pritam Anand and Amisha Bharti</i> , “A Combined Reward-Penalty Loss Function Based Extreme Learning Machine for Binary Classification”
1570510582	<i>Ashish Kumar Layek, Soham Poddar and Sekhar Mandal</i> , “Detection of Flood Images Posted on Online Social Media for Disaster Response”
1570510584	<i>Prajwal Kharel, Kalpana Sharma, Sunil Dhimal and Sital Sharma</i> , “Early Detection of Depression and Treatment Response Prediction Using Machine Learning: A Review”
1570510666	<i>Sugata Das and Sekhar Mandal</i> , “Keyword Spotting in Historical Bangla Handwritten Document Image Using CNN”
1570514008	<i>Saswati Bhattacharya and Mousumi Gupta</i> , “A Survey on: Facial Emotion Recognition Invariant to Pose, Illumination and Age”
1570517079	<i>Annapurna Patil, Anushri Srinath, Atif Adib, Dimple Doshi and Darshan Dalsaniya</i> , “Scalable Activity Recognition Framework Using Ensemble Models”

Day III
Date: 27th
February
2019
(Wednesday)
Time:
2.30-6.00
PM





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Track-II: Networking and Data Communications | Venue: MP Lab

<p>Day III Date: 27th February 2019 (Wednesday) Time: 2.00-6.00 PM</p>	<p>Session Chair: Dr. Nabendu Chaki, University of Calcutta, Kolkata, India Co-Chair: Dr. Hiren Deva K. Sarma, Sikkim Manipal Institute of Technology, Sikkim, India</p>	
	Paper #	Paper Details
	1570495902	<i>Parimita Saikia and Anup Kr. Bordoloi</i> , “Study of Modified Rectangular Patch Antenna for Tuning Resonant Frequency in S-Band”
	1570496138	<i>Jyoti Grover</i> , “On Demand Multipath Routing Protocol for Emergency Ad Hoc Networks”
	1570503163	<i>Kuntal Gaur</i> , “Exploring VANET Using Edge Computing and SDN”
	1570503808	<i>Bollepally Sandhya Rani and Kattula Shyamala</i> , “Energy Efficient Load Balancing Approach for Multipath Routing Protocol in Ad Hoc Networks”
	1570503952	<i>Kamlendra Chandra, Amit Jagtap, Nihar Ranjan and Sangeeta Srivastava</i> , “Design of PCIe-DMA Bridge Interface for High Speed Ethernet Applications”
	1570507083	<i>J. Sathish Kumar, Saurabh Pandey, Mukesh Zaveri and Meghavi Choksi</i> , “Geo-fencing Technique in Unmanned Aerial Vehicles for Post Disaster Management in the Internet of Things”
	1570507780	<i>Avinash More</i> , “Fault-Tolerant Scheduling for Distributed Sensor Networks”
	1570507831	<i>Saurabh Pandey and Mukesh Zaveri</i> , “A Graph-based Communication Algorithm Using Collaborative Computing Scheme in the Internet of Things”
	1570507915	<i>Deepak Kumar, Banani Talukdar and Wasim Arif</i> , “Performance Analysis of Prediction Based Sensing in Energy Harvesting Cooperative CRN”
	1570508353	<i>Shruti Bhandari</i> , “Spectrum Sharing in Cognitive Radio Networks for 5G Vision”
1570508704	<i>Debasis Das</i> , “An Efficient Opportunistic Routing Algorithm in Vehicular Adhoc Networks (VANETs)”	





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Track-VI: Computational Intelligence | Venue: PGR -I Lab

Day II Date: 27th February 2019 (Wednesday) Time: 2.00-6.00 PM	Session Chair: Dr. Jaya Sil, Indian Institute of Engineering Science and Technology, India	
	Paper #	Paper Details
	1570502508	<i>Ankit Anand</i> , “Raga Identification Using Convolutional Neural Network”
	1570503167	<i>Sasmita Kumari Nayak</i> , “Dynamic Task Scheduling Problem Based on Grey Wolf Optimization Algorithm”
	1570503223	<i>Gurinder Kaur and Parminder Singh</i> , “Formant Text to Speech Synthesis Using Artificial Neural Networks”
	1570507644	<i>Karan Shah, B. K. Tripathy, and Sharmila Banu K</i> , “Neighborhood Rough Set Based Similarity Measurement Of subzones Affected by West Nile Virus”
	1570507900	<i>Tarak Paul</i> , “Smart Routing Using Fuzzy System and Genetic Algorithm”
	1570507961	<i>Palash Dutta</i> , “An Advanced Dice Similarity Measure of Fuzzy Numbers and Its Application in Multi-criteria Decision Making”
	1570508721	<i>Lekshmi M and Adithya Subramanya K. N</i> , “Short-Term Load Fore Casting of 400kV Grid Substation Using R-Tool and Study of Influence of Ambient Temperature on the Forecasted Load”
	1570508853	<i>Krishna Prasad Pamulapati</i> , “WSN Energy Optimization: Evolutionary Approach”
1570512260	<i>Sandip Dey, Sourav De, Dhrubajyoti Ghosh, Debanjan Konar, Siddhartha Bhattacharyya and Jan Platos</i> , “A Novel Quantum Inspired Sperm Whale Meta-heuristic for Image Thresholding”	





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Track-IV: Signal Processing and Communication Engineering | Venue: SP Lab

<p>Day III Date: 27th February 2019 (Wednesday) Time: 2.00-6.00 PM</p>	Session Chair: Dr. Iti Saha Misra, Jadavpur University, Kolkata, India	
	Paper #	Paper Details
	1570486045	<i>Satyasis Mishra</i> , “Detection and Classification of Brain Tumor Tissues from Noisy MR Images Using Hybrid ACO-SA Based LLRBFNN Model and Modified FLIFCM Algorithm”
	1570497036	<i>Kamakshi Rautela</i> , “BER Performance of Gray-Coded PSK-Modulated and QAM-Modulated MIMO Systems”
	1570497338	<i>Sourav Moitra, Shilpa Nayak and Fauzia Naseem</i> , “Circular Complementary Split Ring Resonators (CSRR) Based SIW BPF”
	1570500161	<i>Tanmoy Kundu, Iti Saha Misra and Salil Kumar Sanyal</i> , “Developing a 3D Beam Former Model with Varied MIMO Channels”
	1570503080	<i>Ankit Tiwari</i> , “A Novel Oscillator with Different Nature of the Equilibria and Its Analysis”
	1570506951	<i>Mostafizur Laskar. Prasanta Kr Sen, Ishita Paul, Saptargha Das and Sudipta Ghosh</i> , “Principal Feature Extraction from Regional Speech in Emergency Communication”
	1570507497	<i>Geetanjali Srivastava and Shiv Dutt Joshi</i> , “Harmonic Decomposition of ECG Signal Using Analytic Signal Matched Filter Bank”
	1570507511	<i>Amandeep Kaur, Sanjay Kumar, Alpana Agarwal and Ravinder Agarwal</i> , “A Novel Thresholding Technique for R-peak Detection in ECG”
1570507515	<i>Praveen Singh, Neeharika Pisipati, Pisipati Radha Krishna and Munaga V N K Prasad</i> , “Social Signal Processing for Evaluating Conversations Using Emotion Analysis and Sentiment Detection”	





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Special Track-IV: Next Generation Computing and Communications | Venue: CA Lab

<p align="center">Day III Date: 27th February 2019 (Wednesday) Time: 2.00-6.00 PM</p>	<p>Session Chair: Dr. Sourav De, Cooch Behar Government Engineering College, India</p>	
	Paper #	Paper Details
	1570503524	<i>Anonnya Banerjee, Alaa Noor, Nasrin Siddiqua, Mohammed Nazim Udin</i> , “Significance of Attribute Selection in the Classification of Chronic Renal Disease”
	1570503874	<i>Hitesh Kumar Reddy Toppireddy, Bhavna Saini, Priyank Hada</i> , “Academic Enhancement System Using EDM Approach”
	1570507447	<i>Kamal Sarkar</i> , “Sentiment Polarity Detection in Bengali Tweets Using LSTM Recurrent Neural Networks”
	1570507484	<i>Prosanta Kumar Chaki, Md.Mozammel Saza, Biman Barua, Md. Shahadat Hossain, Khaled Sohel Mohammed</i> , “An Approach of Teachers Quality Improvement by Analysing Teaching Evaluations Data”
1570510110	<i>Samson Anosh Babu P, Chandra Sekhar Rao Annavarapu, Abhilash Mohapatra</i> , “A Novel Method for Next – Generation Sequence Data Analysis Using PLSA Topic Modeling Technique”	





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Special Track-II: Human Computer Interaction, Mechatronics and Robotics | Venue: PGR-I Lab

Day IV Date: 28th February 2019 (Thursday) Time: 9.30-10.30 AM	<i>Session Chair: Dr. Sourish Sanyal, Cooch Behar Government Engineering College, India</i>	
	Paper #	Paper Details
	1570497783	<i>Shubham Mohapatra, Rachit Srivastava, Rupesh Khera,, "Implementation of a Two Wheel Self-Balanced Robot Using MATLAB Simscape Multibody"</i>
	1570505572	<i>Sai Siddartha Maram, Tanuj Vishnoi, Sachin Pandey, "Neural Network and ROS Based Threat Detection and Patrolling Assistance"</i>
	1570507833	<i>Tutan Nama, Suman Deb, "2D Object Transformation by Mapping of Hand Gesture Using Leap Motion Controller"</i>





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Special Track-VI: Material Science and Nano Technology | Venue: SP Lab

Day IV Date: 28th February 2019 (Thursday) Time: 9:30-10.30 AM	<i>Session Chair: Dr. Somenath Chatterjee, Sikkim Manipal Institute of Technology, India</i>	
	Paper #	Paper Details
	1570491693	<i>Ajayakumar C Katageri, "Sensitivity Enhancement of Piezoresistive Pressure Sensor Using Carbon Nanotube as a Piezoresistor"</i>
	1570497529	<i>Kuleen Kumar, Lalthanpuii Kiangte, Rudra Sankar Dhar, "Design of Double Gate Nano-FET"</i>
	1570508872	<i>Shameem Ahmed, Mohd Adil Raushan, Mohammad Jawaid Siddiqui, Parvez Alvi, Snadhya Kattayat, "Improvement in Efficiency Droop of Green Light Emitting Diode Using Ltice Matched Barrier"</i>





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Special Track-VIII: Geographical Remote Sensing and Geographic Information Systems | Venue: MP Lab

Day IV Date: 28th February 2019 (Thursday) Time: 9.30-10.30 AM	Session Chair: Dr. Saurabh Das, Indian Institute of Technology, Indore, India	
	Paper #	Paper Details
	1570503255	<i>Pranoy Ghosh, Arijit De</i> , “Role of Humidity Content on Atmospheric Turbulence and Essay on Earthquake Precursor Studies”
	1570504017	<i>Giridhar Urkude, Manju Pandey</i> , “AgriSense: Automatic Irrigation Utility System Using Wireless Sensor Network and Web of Things”
	1570507122	<i>Suresh Kumar M, V Keerthi, RN Anjani, Ch Venkateswara Rao</i> , “Generation of Vegetation Fraction (VF) from Resourcesat-2 AWiFS Images”
	1570507131	<i>Saritha PK, Jayabharathi Sethuraman, RN Anjani, Ch Venkateswara Rao</i> , “Quantification of Particulate Matter Using Haze Optimized Transform (HOT) of Oceansat-2 OCM Data”
1570507890	<i>Prava Adhikari, Swastika Chakraborty, Sanat Das</i> , “Use of Remote Sensing Data for Exploring Potential Evapotranspiration over Gangtok”	





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Track-VIII: Industrial Applications | Venue: AP Lab

Day IV Date: 28th February 2019 (Thursday) Time: 9:30-11:30 AM	Session Chair: Dr. Hamada Naoki, Fujitsu Laboratories Ltd., Japan Co Chair: Mr. Indrajit Sanyal, Senior Director, Erricson India Global Services, India	
	Paper #	Paper Details
	1570491903	<i>Pankaj Agarwal and Mukesh Singh</i> , “A Multipurpose Drone for Water Sampling & Video Surveillance”
	1570498257	<i>Asmita Manna, Anirban Sengupta and Chandan Mazumdar</i> , “EDPRL: A Language for Specifying Data Privacy Requirements of Enterprises”
	1570498529	<i>Nafisa Mehzbin, Atiqur Rahman and Parismita Sarma</i> , “e-Learning for Children on Flora of North East India”
	1570504775	<i>Amarnath Pathak, Partha Pakray and Ranjita Das</i> , “LSTM Neural Network Based Math Information Retrieval”
	1570507068	<i>Amandeep Singh Dhanjal and Williamjeet Singh</i> , “Comparative Analysis of Sign Language Notation Systems for Indian Sign Language”
	1570507671	<i>Abhay Kumar Sinha, Danish Ali Khan, Tarni Mondal and Bal Mukund Singh</i> , “Integrated Single-Vendor Single-Buyer Inventory Mode with Imperfect Production and Inspection by Vendor”
	1570507698	<i>Aliva Bakshi, Satyaki Chatterjee and Nabendu Chaki</i> , “A Novel Approach for Maintaining Consistency in Distributed File System”
	1570507848	<i>Nomi Baruah, Shikhar Kr. Sarma and Surajit Borkotokey</i> , “Text Summarization in Indian Languages: A Critical Review”
1570507908	<i>Anirbit Sengupta, MD Tausif Mallick and Abhijit Das</i> , “Designing of a Remote Sensor System with Data Logging and Temperature Sensing Facility”	
1570507950	<i>Parth Shah and Vishvajit Bakrola</i> , “Neural Machine Translation System of Indic Languages - An Attention Based Approach”	





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Special Track-VII: Graph, Geometric Algorithms and Applications | Venue: Seminar Hall

Day IV Date: 28th February 2019 (Thursday) Time: 9:30-10.30 AM	Session Chair: Dr. Biswajit Deb, Sikkim Manipal Institute of Technology, Sikkim, India	
	Paper #	Paper Details
	1570502992	<i>Bhadrachalam Chitturi, "Perturbed Layered Graphs"</i>
	1570510329	<i>Indulekha T S, Bhadrachalam Chitturi, "Analysis of Algorithm Δ^* on Full Binary Trees"</i>

