



**2nd International Conference on Smart IoT Systems: Innovations in
Computing (SSIC-2019)**
Conference Schedule

Pre-Conference Event Details

January 16-18, 2019- Workshop

S. no.	Event	Timing	Venue
1.	Workshop on 5G-SDN	9:00a.m. – 4:00p.m.	Room 307, 1A Building

January 17, 2019- Tutorial-1

S. no.	Event	Timing	Venue
1.	Designing and Simulating Smart City and Wireless Networks	9:00 a.m. – 1:30 p.m	Lab 111, 1A Building

January 17, 2019 Tutorial-2

S. no.	Event	Timing	Venue
1.	Quantum Inspired Evolutionary Algorithms and their Application	2:00 a.m. – 5:00 p.m	Lab 111, 1A Building

January 19, 2019- Student Short-Paper Session & Ph.D. Forum

Venue: 2AB Building

S.no.	Event	Timing
1.	Student Short-Paper Presentation	10:00 a.m. – 5:00 p.m.
2.	Ph.D. Forum	3:00 p.m. – 5:00 p.m.

Registration for Conference: 9:00 a.m. onwards

January 18, 2019- Inaugural Session

Venue: Sharda Pai Auditorium, 2AB Building

S.no.	Event	Timing
1.	Inaugural of the Conference	09:30 a.m. – 11:30 a.m.
2.	Keynote -1	12:05 p.m. – 01:00 p.m.
NETWORKING LUNCH – Food Court 1:00 p.m. – 2:00 p.m.		
Parallel Technical Session-I: Smart Energy Systems (2 AB) (02:00 p.m. – 3:30 p.m.)		
Paper ID	Author(s)	Title
19	Tigilu Mitiku and Mukhdeep Singh Manshahia	Artificial Neural Networks Based Green Energy Harvesting for Smart World
51	Sakar Gupta and Sunita Gupta	Analysis and comparison of sensor node scheduling heuristic for wsn and energy hrvesting wsn
52	A Sebastian	Child Count based Load Balancing in Routing Protocol for Low Power and Lossy Networks (Ch-LBRPL)
58	Mohd. Aslam, Dheeraj Sharma et.al.	Effect of Metallic Strip Deposition Within the Source Dielectric with Applied Double Metallic Drain for Enhanced DC/RF Behavior of Charge Plasma TFET for Low Power IOT Applications
75	Bhalaji Nagarajan, Valliappan et.al	Localization and Indoor Navigation for Visually Impaired using Bluetooth Low Energy
119	Vibhanshu Singh and Sangeeta Mittal	Internet of Street Lights for Energy Efficient Smart Lighting System
Parallel Technical Session-I: Smart Solutions and Automation-I (2 AB) (02:00 p.m. – 3:30 p.m.)		
Paper ID	Author(s)	Title
24	Pankaj Kumar Sanda et.al.	SMS Enabled Smart Vehicle Tracking using GPS and GSM Technologies: A Cost-effective Approach
30	Nirmal Choudhary and K. K. Bharadwaj	Multi-criteria Group Recommender System based on Analytical Hierarchy Process
34	Abdul Rehman Khan et.al.	Dimensionality Reduction for Insect Bites Pattern Recognition
39	Siddhant Goswami, Dinesh Singh Shekhawat et. Al.	Short Term Pollution Index Prediction using Principles of Machine Learning ⁶²
45	Karan Gupta et.el.	IoT Based Smart Car for Safety of Elderly
46	Karan Gupta et.al.	IoT Based Solution for Automation of Hospital activities with High Authentication
69	Lohavani S et.al.	Recommendation system for students course selection
150	Neha Dalwadi and Dr. Mamta Padole	The Internet of Things based Water Quality Monitoring and Control
Keynote -2 (3:45 p.m.- 4:30 p.m. ,Sharda Pai Auditorium)		
Conference Gala Dinner		



Registration for Conference: 9:00 a.m. onwards

January 19, 2019 : Morning Session

Venue: Sharda Pai Auditorium, 2AB

1.	Keynote -3	09:30 a.m. – 10:45 a.m.
2.	Industry Talk-1	10:45 a.m. – 11:20 a.m.
Tea Break (11.20 a.m. - 11:30 a.m.)		
Parallel Technical Session-II: Network and Information Security (2AB) (11:30 a.m. – 01:00 p.m.)		
Paper ID	Author(s)	Title
116	Amjad Qashlan, Priyadarsi Nanda and Xiangjian He	Automated Ethereum Smart Contract for Block chain based Smart Home Security
121	Dr Gurjit Kaur, Pradeep Tomar, Archit Agrawal et.al.	Attacks and their solution at Data Link Layer in Cognitive Radio Networks
131	Akanksha Bhardwaj, Pulkit Mehndiratta and Reepha Siddiqui	Obstructing the Exploitation of Evil Twin Attacks for the Detection of Rogue Access Points on Public Wi-Fi Hotspots
151	Vinita Malik and Sukhdip Singh	Internet of Things: Risk Management
162	Monika Gogna and C.Ramakrishna Challa	Cross-domain authentication and interoperability scheme for federated cloud
163	Ravi Nahta	Image Encryption Decryption Using Simple and Modified Version of AES
Parallel Technical Session-II: Network and Communication -1 (11:30 a.m. – 01:00 p.m.)		
Paper ID	Author(s)	Title
8	Nehal Patel and Radhika Patel	Performance Analysis of Network with Different Queuing Mechanism in TCP/FTP & UDP/FTP scenario.
18	Jenny Kasudiya, Dr. Ankit Bhavsar and Dr. Harshal Arolkar	Wireless Sensor Network-A Possible Solution for Crowd Management
60	Neeru Meena and Buddha Singh	Analysis of Coverage Hole problem in Wireless Sensor Networks
72	P Kumar and G Singh	A Broadband Microstrip Patch Antenna for C-Band Wireless Applications
78	Shashi Kant Pandey, Ganga Prasad Pandey and P M Sarun	Compact Circularly Polarized symmetric fractal Slits loaded Micro-strip Antenna
85	Vikas Raina, Jeetu Sharma, Ranjana Thalore and Partha Pratim Bhattacharya	The QoS Evaluation of WSN using Different Number of Mobile Sink Nodes under Water



Parallel Technical Session-II : Smart Solutions and Automation-I (2 AB) (11:30 a.m. – 01:00 p.m.)		
Paper ID	Author(s)	Title
62	Saurabh Srivastava, Yogesh Meena and Girdhari Singh	Subgame Perfect Equilibrium Based Framework for Counter Terror Solution Modeling
73	Bharti Nathani, Nisheeth Joshi and Prof. G.N Purohit	Rule Based Derivational Stemmer for Sindhi Devanagari Using Suffix Stripping Approach
124	Gresha Bhatia, Samujjwaal Dey, et.al.	Interactive Electricity Consumption Analysis System
127	Sashikala P and Samyadip Chakraborty	Linking Green Supply Chain Management, Co-creation and Sustainability: Empirical revisit in Indian Manufacturing sector context
141	Ravneet Kaur, Ravtej Singh Sandhu, et.al.	Intelligent Voice Bots for Digital Banking
160	Apoorva Parashar and Anubha Parashar	IoT Based Cloud Enabled Smart Electricity Management System
NETWORKING LUNCH – Food Court 1:00 p.m. – 2:00 p.m		
Parallel Technical Session-III : Advanced Computing Model-1 02:00 p.m. – 03:30 P.M.		
Paper ID	Author(s)	Title
42	Ganpat Chauhan and Yogesh Meena	DomSent: Domain-Specific Aspect Term Extraction in Aspect Based Sentiment Analysis
57	Nirav Bhatt, Amit Thakkar, Nikita Bhatt et.al.	Algorithm selection via meta-learning and active meta-learning
76	Navpreet Kaur and Dr. Inderdeep Kaur Aulakh	Comparison of Session layer Communication Protocols in IOT A Review
112	Kazi Lutful Kabir, Fardina Fathmiul Alam and Anika Binte Islam	Word Embeddings for Semantic Resemblance of Substantial Text Data: A Comparative Study
120	Vasudev Yadav, Pradeep Tomar, Prabhjot Singh and Gurjit Kaur	Improvement in XML Keyword Search and Ranking for Data Analytics
129	Yaman Parasher, Gurjit Kaur, Pradeep Tomar et.al.	Development of Artificial Neural Network to predict the concrete strength
188	Shubhajit Panda and Mahesh Jangid	Improving the Model Performance of Deep Convolutional Neural Network in MURA Dataset



Parallel Technical Session-III : Network and Communication -2 02:00 p.m. – 03:30 p.m.		
107	Tanisha Dey Roy and Jaiteg Singh	A Note on Wired and Wireless Sensor Communication using Arduino Board and NodeMCU
111	Ranjana Thalore, Raunak Monir et.al.	Analysis of Archimedes' Spiral Based Wireless Sensor Network with Mobile Sink
159	Somya Goyal, Pradeep K. Bhatia and Anubha Parashar	Cloud Assisted IoT Enabled Smoke Monitoring System (e-Nose) Using Machine Learning Techniques
169	Amit Birwal, Sanjeev Singh and Binod Kumar Kanaujia	Smart Compact Folded Microstrip Antenna for GSM, LTE and WLAN Applications
175	Pradeep Nazareth and B. R. Chandavarkar	Void Avoidance Node Deployment Strategy for Underwater Sensor Networks
Parallel Technical Session-III : Internet of Things: Mobility, Security, Access and Control 02:00 p.m. – 03:30 p.m.		
07	Maya Pandey and Pradeep Tiwari	Efficient Channel Access Scheme with Low Congestion Lane selection in Vehicular Ad hoc Network
29	Sumedh Nadendla, Mangala Sneha Srinivasan et.al.	The MANI Protocol for advanced Intra-Vehicular Networking
59	Samir Yerpude and Dr. Tarun Kumar Singhal	Internet of Things Enabled Innovation Constructs in Third Party Logistics – An Empirical Validation
74	Sathish Kumar Soundararaj, P Bagavathi Sivakumar and Ananthanarayanan Velu	Slow Speed Alert for Speed Breakers and Potholes using IoT and Analytics in the Context of Smart Cities
113	Jay Bhatnagar and Shivkumar Chakarvarti	A Smart Dynamic Framework for Control of Traffic lights Timing and Flow Pattern using IoT-Drones
117	Shreyans Sharad Jain, Gaurav Singal et.al.	SecureDorm: Sensor based Girls Hostel surveillance System
Keynote -4 (3:45 p.m.- 4:30 p.m. ,Sharda Pai Auditorium)		
Industry Talk -2 (4:30 p.m.- 5:00 p.m. ,Sharda Pai Auditorium)		

Registration for Conference: 9:00 a.m. onwards

January 20, 2019 : Morning Session

Venue: New Auditorium, 2 AB Building

1.	Keynote -5		09:30a.m. – 10:45a.m.
2.	Industry Talk-3		10:45a.m. – 11:20a.m.
Tea Break (11.30a.m. - 11:45a.m.)			
Parallel Technical Session-IV : Advanced Computing Model-2 11:45 a.m. – 01:00 p.m.			
Paper ID	Author(s)	Title	
14	Punit gupta	Railway control and alert when train is on wrong track and derail due to obstruction	
139	Mohit Agarwal, Diganta Misra, Amit Sinha et.al.	Potato crop disease classification using Convolutional Neural Network	
145	Punit Gupta	Combat Training Simulation	
172	Kaushika Pal and Biraj Pate	Model for Classification of Poems in Hindi Language based on Ras	
176	Ashutosh Gupta, Praveen Dhyani, et.al.	A Framework for e-Governance using Federation of Cloud	
179	Bushra Siddique and Sufyan Beg	Computing with Words based Concept Retrieval	
186	J Naren	Emotion Recognition on E-Learning community to improve the learning outcomes using Machine Learning concepts: A Pilot Study	
Parallel Technical Session-IV : Social Networks and Computer Vision 11:45 a.m. – 01:00 p.m.			
61	Laxmi Chaudhary and Buddha Singh	Community detection using Maximizing Modularity and similarity measures in social networks	
80	Divya Bharti et.al.	Fog Computing based Environmental Monitoring using Nordic Thingy: 52 and Raspberry Pi	
155	Ankit Sharma et.al	A survey on devanagari character recognition	
158	Kiran Jeswani	An Advanced Algorithm for Perfect Image selection based on Quality Matrix	
168	Nisha Kundu and Dr. Yogesh Kumar Meena	DETECTING SUSPICIOUS USERS ON SOCIAL NETWORKS USING TEXT ANALYSIS	
170	Gaurav Kumar Soni, Akash Rawat et.al.	A Pixel-Based Digital Medical Images Protection Using Genetic Algorithm with LSB Watermark Technique	
NETWORKING LUNCH- FOOD COURT, 1st Floor (1:00 p.m. - 2:00 p.m.)			
Valedictory Function		Venue: Sharda Pai Auditorium, 2AB Building	
1.	Valedictory and Certificate Distribution	2:00 p.m. – 3:15 p.m.	
High Tea (3.15 p.m. - 3:45 p.m.)			