

Paper Presentation Schedule, IoT-SIU 2018

3rd IEEE International Conference

on

Internet of Things: Smart Innovation and Usages (IoT-SIU)

23-24 February, 2018

Birla Institute of Applied Sciences Bhimtal, Nainital, Uttarakhand

In Collaboration with

Uttarakhand Science Education and Research Centre (USERC)

Day-1

23-Feb-2018

Venue: DCFR Auditorium

Session Room: 1 **Session Chair:** Dr. Abhay Saxena & **Session Co-Chair:** Dr. Neeraj K. Pandey

Reportier: Mr. Abhay Sharma & Mr. Sudhir Sharma

Student Volunteer: Janvi & Kirtiman

S.N.	Time	Paper ID	Paper Title	Authors Name
1	2:00 PM-2:12 PM	68	Comparison of Approaches of Distributed Satellite Image Edge Detection on Hadoop	Tapan Sharma, Dr. Vinod Shokeen
2	2:12 PM-2:24 PM	71	Statistical Analysis of Tweeter Data Using Language Model With KLD	Gaurav Kumar, Vinay Rishiwal
3	2:24 PM-2:36 PM	75	Classification of Data to Enhance Data Security in Cloud Computing	Kumar Pal Singh, Dr. Vinay Rishiwal, Prof.(Dr.) Pramod Kumar
4	2:36 PM-2:48 PM	51	Design of an Inset- Fed Slotted Triple Band Antenna	Mohit Mohta, Asmita Rajawat, Sindhu Hak Gupta
5	2:48 PM-3:00 PM	77	QoS for Video Transmission in MANETs: ASurvey	Prachi Gupta, Dr. Vinay Rishiwal, Dr. P.S. Kulkarni, Zubair Iqbal
6	3:00 PM-3:12 PM	94	Information Protection by Noise Generator for Tactical Smart Platforms	Abdukhakimov Asatilla, Dong-Seong Kim
7	3:12 PM-3:24 PM	38	Comparative Study between Multiplicative Neuron and Spiking Neuron Model	Pankaj Kumar Kandpal, Ashish Mehta
8	3:24 PM-3:36 PM	86	Building Semantic Information Retrieval System For Legal Cases From Heterogeneous Adapted And Diverse Data Sources Using Extended GAIA Methodology For Multi Agent System	Sumit Kumar Mishra, V.K. Singh
9	3:36 PM-3:48 PM	87	D&RSense : Detection of Driving Patterns and Road Anomalies	Beepa Bose, Joy Dutta, Subhasish Ghosh, Pradip Pramanick and Sarbani Roy
10	3:48 PM-4:00 PM	63	Product Development of Integrated Mobile Stand-Vidyut	Harsh Tank, Rahul Asnani, Tarun Rijwani, Dr. PL. Ramkumar
11	4:00 PM-4:12 PM	67	Quality of Services in Assets of Smart Parking	Shiksha Singh, Rohit Kumar Tiwari
12	4:12 PM-4:24 PM	81	Understanding the Users Personal Attributes Selection Tendency across Social Networks	Waseem Ahmad, Rashid Ali
13	4:24 PM-4:36 PM	104	Designing and Analysis of Microstrip Patch Antenna For UWB Applications	Inderpreet Kaur, Anil Kumar Singh, Jagriti Makhija, Sakshi Gupta, Krishna Kumar Singh
14	4:36 PM-4:48 PM	83	Optimal tree led approach for effective decision making to mitigate mortality rates in a varied demographic dataset	Romil Choudhary, Monit Kapoor
15	4:48 PM-5:00 PM	84	Classification of Bangla Text Documents based on Inverse Class Frequency	Ankita Dhar, Niladri Sekhar Dash, Kaushik Roy

Day-1**23-Feb-2018****Venue:****Executive meeting/Committee Room, DCFR****Session Room: 2****Session Chair: Dr. M.K. Sharma & Session Co-Chair: Dr. H.C. Pandey****Reportier: Mr. S. Dey & Mr. Vivek Anand****Student Volunteer: Vaishali & Hardik**

S.N.	Time	Paper ID	Paper Title	Authors Name
16	2:00 PM-2:12 PM	16	A Framework for Semantic based Image Retrieval from Cyberspace by mapping low level features with high level semantics	Rajeev Gupta, Virender Singh
17	2:12 PM-2:24 PM	41	Improving the Accuracy of Linearly Separable Data using Classification	Lalit Mohan, Janmejay Pant, Priyanka Suyal
18	2:24 PM-2:36 PM	53	Application of Distributed Data Center in Logistics as Cloud Collaboration for handling Disaster Relief	Shivani Dubey, Mamta Dahiya, Sunayana Jain
19	2:36 PM-2:48 PM	54	Energy Efficient Routing Scheme for Enhancing Lifetime in Wireless Sensor Networks	Omkar Singh, Vinay Rishiwal, Mano Yadav
20	2:48 PM-3:00 PM	62	Performance Evaluation of Routing Protocols in Wireless Sensor Networks	Roma Saxena, Vinay Rishiwal, Omkar Singh
21	3:00 PM-3:12 PM	43	Nearby Neighboring Biclustering Approach	Aparna Shukla, Suvendu Kanungo
22	3:12 PM-3:24 PM	20	Comparative Study for Steady-State Operation of IAG in Stand-Alone mode using MATLAB and Typhoon HIL	Vineet P. Chandran, Sujit Kumar, Priya Singh Bhakar
23	3:24 PM-3:36 PM	21	Performance Enhancement of Automatic Speech Recognition System using Euclidean Distance Comparison and Artificial Neural Network	Anurag Bajpai, Umang Varshney, Deepam Dubey
24	3:36 PM-3:48 PM	26	A 50 V Multi-Gate RF LMOS on InGaAs	Amit Kumar, Mohit Payal, Abhishek Chakravorty, Gagan Sharma, Keshav Kant
25	3:48 PM-4:00 PM	33	A Detailed Subjective Evaluation of Devanagari Based Text To Speech System	Ruchi Raheja, Ankit Kesarwani, Mahesh D. Kulkarni, Somanath Chandra, Swaran Lata
26	4:00 PM-4:12 PM	37	Water Level Monitoring and Management of Dams using IoT	Sai Sreekar Siddula, Phaneendra Babu, P.C. Jain
27	4:12 PM-4:24 PM	42	Entropy based Biclustering Model	Naveen Trivedi, Suvendu Kanungo
28	4:24 PM-4:36 PM	98	Fiber Bragg Grating based Landslide Early Warning System	Shweta Pant, Sharath Umesh, Sundarajan Asokan
29	4:36 PM-4:48 PM	186	Cloud Based Smart Dustbin System for Metro Station	Aayush Tripathi, Chinmay Pandey, Ankur Narwal, Devashish Negi
30	4:48 PM-5:00 PM	112	A Brief Survey on Energy Efficient Routing Parameters & Protocols in WSN	Vaibhav Kumar, Anuj Kumar Singh

Day-1

23-Feb-2018

Venue: Training Hall, DCFR

Session Room: 3 Session Chair: Dr. Jeetendra Pandey & Session Co- Chair: Dr. Shilpi Bisht
Reportier: Mr. Neeraj Bisht & Mr. Pankaj Singh
Student Volunteer: Vidushi & Rakshita

S.N.	Time	Paper ID	Paper Title	Authors Name
31	2:00 PM-2:12 PM	85	An Internet of Things solution for real-time identification of electricity theft and power outages caused by fault in distribution systems	Kumar Nalinaksh, Lokesh Pathak, Vinay Rishiwal
32	2:12 PM-2:24 PM	179	IoT: Challenges and Issues in Indian Perspective	Er. Pooja Yadav,Er. Ankur Mittal,Dr. Hemant Yadav
33	2:24 PM-2:36 PM	182	Application of Internet of Things and Big Data towards a Smart City	Preeti Yadav, Sandeep Vishwakarma
34	2:36 PM-2:48 PM	113	Privacy and Security issues in Big Data: Through Indian Prospective	Neha Rastogi, Sushil Kumar Singh
35	2:48 PM-3:00 PM	129	Automated Toll Tax Collection System using Cloud Database	Etqad Khan, Dipesh Garg, Rajeev Tiwari, Shuchi Upadhyay
36	3:00 PM-3:12 PM	149	A Method of Segmentation in 3D Medical Image for selection of Region of Interest (ROI).	Amit Kumar, Pratibha
37	3:12 PM-3:24 PM	99	Energy-efficient Sensors in Data Centers for Industrial Internet of Things (IIoT)	Williams Paul Nwadiugwu, Dong-Seong Kim
38	3:24 PM-3:36 PM	102	EEMGR: Energy and ETX aware Multipath Geographic Routing in WMSN	Shailendra Aswale,Vijay R. Ghorpade
39	3:36 PM-3:48 PM	103	Advancement in Quality of Services in Wireless Sensor Networks	Anuj Kumar Singh, Prof. Pramod Kumar
40	3:48 PM-4:00 PM	95	Efficient Method for Isolated Marathi Digits Recognition using DWT and Soft Computing Techniques	Atul Narkhede, M. U. Nemade
41	4:00 PM-4:12 PM	125	Comparative harmonic analysis of Diode clamped multi-level inverter	Vikas Deep Juyal , Nitin Upadhyay, K.V.Singh, A. Chakravorty, Anoop Kumar Maurya
42	4:12 PM-4:24 PM	137	Processor Specific Green Counter Based On HSTL IO Standards Design on 90nm FPGA	Sushant Shekhar, Ritik Raj, Ajay Kumar, Gaurav Verma, Pushpendra Raj
43	4:24 PM-4:36 PM	174	Image Processing Based Analysis of Cracks on Vertical Walls	Jayneel Vora, Maitree Patel, Sudeep Tanwar, Sudhanshu Tyagi
44	4:36 PM-4:48 PM	141	A 100 V Lateral Trench Power MOSFET on InGaAs/InP	Sushant Shekhar, Mohit Payal, Jatin Srivastava, Mamta Jaiswal, Pushpendra Raj
45	4:48 PM-5:00 PM	100	Export and Import of Renewable energy by Hybrid MicroGrid via IoT	Deepak Kumar Aagri, Altanai Bisht

Paper Presentation Schedule, IoT-SIU 2018

Day-2

24-Feb-2018

Venue: Conference Hall, Library Block, Birla Institute of Applied Sciences, Bhimtal

Session Room: 1 **Session Chair:** Dr. Rajeev Kumar & Dr. Devendra Mishra

Reportier: Mr. Alok Sharma & Mrs. Sheenu Agarwal

Student Volunteer: Shivangi & Aashi

S.N.	Time	Paper ID	Paper Title	Authors Name
1	10:24 AM-10:36 AM	117	A Circular UWB Antenna with Multi Band Notched Characteristics for UWB Applications	KM Jyoti Singh, Rajan Mishra
2	10:36 AM-10:48 AM	157	Indian Banknote Recognition using Convolutional Neural Network	Shubham Mittal, Shiva Mittal
3	10:48 AM-11:00 AM	114	Role of Cyber Cell to Handle Cyber Crime within the Public and Private Sector: An Indian Case Study	Sushil Kumar Singh, Neha Rastogi
4	11:00 AM-11:12 AM	91	QB Sort: An Efficient computational Algorithm for advance networks	Shweta Saxena
5	11:12 AM-11:24 AM	134	Implementation of AES Employing Systolic Array and Pipelining Approach	Sonam Negi, Pushpendra Raj, Satendra Kumar Chauhan, Prashant Kumar
6	11:24 AM-11:36 AM	135	Smart learning based on augmented reality with android platform and its applicability	Yogita Bahuguna, Aashish Verma, Kunal Raj
7	11:36 AM-11:48 AM	121	Organic Thin Film Transistor Based Graphene Drooped Sensors	Harshita Pathak, Brijesh Kumar
8	11:48 AM-12:00 PM	123	MAVNet: A Mobile Agent based framework for Vehicular Networks	Tushar Semwal, Shivashankar B. Nair
9	12:00 PM-12:12 PM	139	Implementation Techniques for Frequency & Phasor Estimation in Phasor Measurement Units (PMUs)	Alok Jain, Sarvesh Kumar, Suman Bhullar
10	12:12 PM-12:24 PM	168	In Object-Oriented Software Framework Improving Maintenance Exercises Through K-Means Clustering Approach	Bhawana Mathur, Manju Kaushik
11	12:24 PM-12:36 PM	173	Punjabi to English Machine Transliteration for Proper Nouns	Arshveer Kaur, Dr. Vishal Goyal
12	12:36 PM-12:48 PM	17	Modeling of Stock Consistency in the Approach Flow System of the Headbox	Pradeep Kumar Juneja, Mayank Chaturvedi, Saurav Suman, Kajal Antil
13	12:48 PM-01:00 PM	140	Multi-Objective Binary-PSO for Improving the Performance of P300 Speller	Rahul Kumar Chaurasiya, Aparajita Saraf, D. Sarala, Tejas Kanikdaley, Sharad Jogi
14	01:00 PM-01:12 PM	151	Quality of Service (QoS) in Internet of Things	Manisha Singh, Gaurav Baranwal
15	01:12 PM-01:12 PM	153	A Survey on Technological, Business and Societal Aspects of Internet of Things	Koustav Routh, Tannistha Pal, Suman Deb

Day-2

24-Feb-2018

Venue: Room No. 309, Library Block, Birla Institute of Applied Sciences.

Session Room: 2 **Session Chair:** Dr. Sandeep Budhani & Dr. Sandesh Tripathi

Reportier: Mr. Saurabh Joshi & Mr. Kuber Mehra

Student Volunteer: Aaushi & Pooja

S.N.	Time	Paper ID	Paper Title	Authors Name
16	10:24 AM-10:36 AM	164	Performance Evaluation of SDN based Virtualization for Data Center Networks	Jayneel Vora, Shriya Kaneriya, Sudeep Tanwar, Sudhanshu Tyagi
17	10:36 AM-10:48 AM	175	Design and Development of a MEMS Stacked Thermoelectric Microwatt Generator	Kritik Soman
18	10:48 AM-11:00 AM	187	Designing of Combinatorial Communication Networks Using Efficient Heuristic Tabu Search Algorithm	ANKIT TOMAR, KAPIL KUMAR, DR. AMIT DIXIT
19	11:00 AM-11:12 AM	136	Simulation Based Analysis of Deep Space Communication Routing Protocols	Kush Shrivastava, Mahesh Kumar, Shishir Kumar

20	11:12 AM-11:24 AM	154	Disaster Relief and Data Gathering Rover	S.V.V. Srinivas, Aditya Kumar Singh, Aman Raj, Abhishek Shukla, Rachit Patel, Aviral Malay
21	11:24 AM-11:36 AM	156	Communication Protocol Stack for Constrained IoT Systems	Cheena Sharma, Dr. Naveen Kumar Gondhi
22	11:36 AM-11:48 AM	167	Old Handwritten Music Symbol Recognition using the Combination of Foreground and Background Projection Profiles	Savitri Apparao Nawade, Rajmohan Pardeshi, Chitra Dhawale, Mallikarjun Hangarge
23	11:48 AM-12:00 PM	177	Digital Outing System Using RFID And Raspberry Pi With MQTT Protocol	Akansh Saxena, Mitul Tyagi, Pawan Singh
24	12:00 PM-12:12 PM	183	DIGITAL PATIENT EYE	Muneer Khan, Aayush Tripathi
25	12:12 PM-12:24 PM	50	Internet of Things' (IoT's) Impact on Decision Oriented Applications of Big Data Sentiment Analysis	Akhilesh Dwivedi, Prof R P Pant, Senam Pandey, Krishna Kumar
26	12:24 PM-12:36 PM	88	A Survey of Current Aids for Visually Impaired Persons	Bhupendra Singh, Monit Kapoor
27	12:36 PM-12:48 PM	146	Battery Condition Prognostic System using IoT in Smart Microgrids	Gayathri M. S., Ravishankar A. N., Kumaravel S., and Ashok S
28	12:48 PM-01:00 PM	36	Secure Authentication Scheme for Internet of Things in Cloud	Chandrashekar Guntuku, Syam Kumar Pasupuleti
29	01:00 PM-01:12 PM	101	Design and development of weather station for the 3.6 m Devasthal Optical Telescope	T. S. Kumar, Purushottam Jangid

Day-2

24-Feb-2018

Venue:

Room No. 310, Library Block, Birla Institute of Applied Sciences.

Session Room: 3

Session Chair: Dr. Sudeep Tanwar & Dr. Sudhanshu Tyagi

Reportier: Mr. Anil Chaurasia, Mr. Inder Bisht

Student Volunteer: Keshav, Aarohi, Kaushal

S.N.	Time	Paper ID	Paper Title	Authors Name
30	10:24 AM-10:36 AM	172	Enhancing bank security system using Face Recognition, Iris Scanner and Palm Vein Technology	Raj Gusain, Hemant Jain, Shivendra Pratap
31	10:36 AM-10:48 AM	147	Improving Security and Performance Parameter using Social Skeleton in heterogeneous VDTN	Rishab Amla, Seema Jangra, Amit Pandit
32	10:48 AM-11:00 AM	150	Virtual Instrument for Power Quality Measurement	Nitin Upadhyay, Vikas Deep Juyal, Abhishek Chakravorty, K. V. Singh, Simardeep Singh
33	11:00 AM-11:12 AM	152	Realization of Printed Rotated Slot Antenna With Tuning Stubs Fed by Microstrip Feedline for Bandwidth Enhancement	Rakhshanda Jabeen, G S Tripathi
34	11:12 AM-11:24 AM	32	Planning and optimizing the cost of DGs for Stability of Green Field Distribution Network	Mandhir K. Verma and Vinod K. Yadav, V. Mukherjee, Gitanjali
35	11:24 AM-11:36 AM	128	Recent Developments in Dual Gate Based Organic Thin Film Transistors and Their Applications	Neha Mishra, Brijesh Kumar and Shagun Pal
36	11:36 AM-11:48 AM	158	Analysis of Analog Signal from PIR-sensors for Human Analytics in an IOTized Environment	Sonia, Avik Ghose
37	11:48 AM-12:00 PM	74	Declarative Ontology Alignment Format for Semantic Translation	Paweł Szmeja, Maria Ganzha, Marcin Paprzycki, Wiesław Pawłowski, Katarzyna Wasielewska
38	12:00 PM-12:12 PM	162	Docker container based analytics at IoT edge	Pankaj Mendki
39	12:12 PM-12:24 PM	57	IoT-Enabled Group Activity Recognition Services Using a Modeling Language Approach	Amin B. Abkenar, Seng W. Loke, Arkady Zaslavsky
40	12:24 PM-12:36 PM	78	IoT-Aided Charity: An Excess Food Redistribution Framework	Venura S. A Abeysinghe Achchige Don, Seng W. Loke, Arkady Zaslavsky
41	12:36 PM-12:48 PM	49	SSTL IO Based WLAN Channel Specific Energy Efficient RAM Design for Internet of Thing	Abhay Saxena, Ashutosh Bhatt, Chandrashekar Patel
42	12:48 PM-01:00 PM	23	Extreme Learning Machine in Crop Disease Prediction	B. K. Singh, R. P. Singh, Tejasvee Bisen, Shweta Kharayat
43	01:00 PM-01:12 PM	193	A Study on Performance Analysis of Web Services Using Various Tools	Shaily Goyal, Manju Kaushik