International Conference on Communication, Computing and Networking ICCCN-2017

(23-24 MARCH, 2017)

PROGRAMME SCHEDULE (DAY-1) 23rd March, 2017

Registration & Inauguration (Venue: S. S. Bhatnagar Auditorium)

08.30 onwards	Registration (at Registration Desk)
10.00-11.00 Hrs	Inauguration Ceremony
Chief Guest & Keynote Speaker	Dr. D. K. Jain, Director, C-DAC, Mohali
Guest of Honor	Dr. Abey Kuruvilla, Executive Director, International Affairs, University of Wisconsin, USA

Tea Break (11.00-11.15 Hrs)

Technical Session – I (Venue: S. S. Bhatnagar Auditorium/Board Room)

Duration	11.15-13.00 Hrs
Theme	**Intelligent Computing**
Invited Talk & Session Chairperson	**Prof. (Dr.) Jitender Kumar Chhabra**
Rapporteur	Ms. Shimmi Raj
Session Coordinator	Ms. Mala Kalra
Student Volunteers	Vaishali, Geetanjali, Md. Haider

ICCCN-17-109 **Data acquisition based web scrapping algorithm for extraction of data sets from Patent Portal**
Gaurav Gupta, Neelesh Kumar, Indu Chhabra

ICCCN-17-126 **Bus Arrival Detection using Bluetooth Low Energy**
Ankit Kumar, Abhinav Mathur, Akhilesh Kumar, Naveen Aggarwal

ICCCN-17-143 **Classification Techniques For Sentiment Analysis On Twitter Data**
Manpreet Kaur, Er. Sheenam Malhotra

ICCCN-17-145 **Comparative study of various Techniques for Predictive Analysis in Data Mining**
Shweta, Er. Sheenam Malhotra

ICCCN-17-159 **Comparative Analysis of SVM and ANN based Web Page Classification**
Amit Gupta, Rajesh Bhatia

ICCCN-17-161 **A Comparative Analysis of Driver Drowsiness Detection System by Using Soft Computing**
Sapna Bhagat, V.K.Banga

ICCCN-17-173 **Technological Instances of AI in Agriculture Sector**
Simran Chawla, Mandeep K. Chawla

ICCCN-17-187 **A review on Clustering Techniques using Hybrid K-Means Algorithm**
Navreet Kaur, Shruti Aggarwal

ICCCN-17-197 **Machine Learning Solutions for an Autonomous Vehicle**
Dr. Jagannath Aghav, Rinku Nemade, Apoorva Nitsure

ICCCN-17-240 **An Review on Acoustics Vehicular Classification**
Shikha Soni, Naveen Aggarwal

ICCCN-17-241 **Application of Advance Heuristics Algorithms: Perspectives and Challenges**
Deep Singh Malhi, Harpreet Singh

ICCCN-17-248 **A review on Machine Learning Algorithms for Big Data Optimization**
Geetika Goyal, Nitesh Sharma

ICCCN-17-251 **An Enhanced Approach for Movie Recommender System using Association Rule Mining**
Mariya Khurshid, Rakesh Kumar, Shano Solanki

ICCCN-17-258 **Data Mining an Essential Tool for Intrusion Detection System : A Survey**
Sachin Bhardwaj, Arvind Lal

ICCCN-17-269 **Hydrophobicity Detection in Dielectric Nanostructured Thin films using Artificial Neural Network**
Vikramaditya Dave, Ramesh Chandra

ICCCN-17-279 **Gustatory Based EEG Signal Classification Using Neural Network**
C. KalyanaSundaram, R.R.Devu

ICCCN-17-211 **Prediction of Liver Disease at early stage using data mining algorithm in Bioinformatics**
Rupinderjeet Kaur, Amritpal Kaur

Lunch (13.00 – 14.00 Hrs) *(Venue: Har Gobind Khorana Guest House)*

Technical Session – II (Venue: S. S. Bhatnagar Auditorium/Board Room)

Duration	14.00-15.30 Hrs
Theme	**Parallel & Distributed Computing**
Invited Talk & Session Chairperson	**Prof. (Dr.) Sanjeev Sofat**
Rapporteur	Mr. Amardev
Session Coordinator	Mr. Amit Doegar
Student Volunteers	Pooja Sharma, Neha Tarar, Reetu

ICCCN-17-179 **Implementation of Big Data concerned with Elections using Map-Reduce as novel mining algorithm**
Dr. Gagandeep Jagdev, Amandeep Kaur

ICCCN-17-180 **Concentrating on Practicing Big Data in Retail Sector using Hadoop framework**
Gagandeep Jagdev, Ramandeep Kaur

ICCCN-17-186 **Security of Big Data in Cloud: A Review**
Bhawna Jain, Tarunpreet Bhatia, A.K.Verma

ICCCN-17-193 **A literature Survey on Response Time based Load Balancing Algorithms**
Aanjey Mani Tripathi, Sarvpal Singh

ICCCN-17-198 **Containerization: Light Weight Virtualization**
Kriti Ohri

ICCCN-17-202 **A Review on Job Scheduling Strategies to attain Energy Efficiency in Federated Grid System**
Jagroop Kaur, Er.Amit Chhabra

ICCCN-17-215 **Exploring Virtual Machine Migration Implementation for Cloud Computing**
Aditya Bhardwaj, Yashveer Yadav, Dr. C. Rama Krishna

ICCCN-17-217 **Energy evaluation of Discrete Symbiotic Organisms Search algorithm for task scheduling in a cloud environment**
Megha Sharma, Amandeep Verma

ICCCN-17-220 **Survey on Retrival and Updation Techniques over Encrypted Outsourced Cloud Data**
Gagan, Dr. C. Rama Krishna, Rohit Handa

ICCCN-17-223 **A Novel Review on Ranked Keyword Searching over Outsourced Encrypted Cloud Data**
Vandana Saini, Dr. C Rama Krishna

ICCCN-17-226 **Workflow Scheduling in Cloud Environment: A Comprehensive Review, Open Issues and Future Research Directions**
Gursleen Kaur, Mala Kalra

ICCCN-17-236 **A Study on Virtualization in Green Cloud**
Anjum Mohd Aslam, Mala Kalra, Dr. Sarabjeet Singh

ICCCN-17-237 **A Review of Fault-Tolerant Workflow Scheduling Techniques**
Urvashi Nag, Mala Kalra, Sarbjeet Singh

ICCCN-17-242 **Muti-Objective Optimization Algorithms for Scheduling: A Literature Review**
Deep Singh Malhi, Harpreet Singh

ICCCN-17-243 **Survey on Energy Efficient Techniques for Green Cloud Computing**
Raksha Kiran Karda, Mala Kalra, Dr. Sarabjeet Singh

ICCCN-17-245 **Analysing Techniques Used For Achieving Energy Efficiency in Cloud Computing**
Harpreet Singh, Dr. Sandeep Sharma

ICCCN-17-246 **Search with Context Sensitive Synonyms: In Multi Keyword Ranked Search over the Encrypted Cloud Data**
Anu Khurana, Dr. C. Rama Krishna, Dr. Navdeep Kaur

ICCCN-17-254 **Survey of Various Task Scheduling Algorithms in Cloud Computing**
Aditi Jain, Raj Kumari

ICCCN-17-285 **Security Issues in Cloud: A Review**
Deepti Tara, Savneet Bedi

ICCCN-17-155 **Privacy-Preserving Multi-Keyword Search Supporting Synonym Query over Encrypted Data**
Rohit Handa, C. Rama Krishna, Naveen Aggarwal

ICCCN-17-156 **Client Server Based Security Model for Private Cloud Environment**
Yashveer Yadav, C. Rama Krishna

ICCCN-17-164 **Wind Driven Optimization based Workflow Scheduling in Cloud Computing**
Poonam Singh, Maitreyee Dutta, Naveen Aggarwal

ICCCN-17-250 **Cost-effective and Reliable Scheduling of Workflows in Cloud using Intelligent Water Drops Algorithm**
Mala Kalra, Sarbjeet Singh

Tea Break (15.30-15.45 Hrs)

Technical Session – III (Venue: S. S. Bhatnagar Auditorium/Board Room)

Duration	15.45-17.30 Hrs
Theme	**Wireless Networks**
Invited Talk & Session Chairperson	**Prof. (Dr.) A. K. Singh**
Rapporteur	Dr. Ritula Thakur
Session Coordinator	Dr. Rakesh Kumar
Student Volunteers	Swati Nautiyal, Sarabjeet Kaur, Minalini Goyal

ICCCN-17-108 **AMQoS: ACO based Multi-Constrained QoS Routing Protocol for Wireless Sensor Networks**
Tarunpreet Kaur, Dilip Kumar

ICCCN-17-123 **Performance Evaluation of Chain Based Routing Technique with Mobile Sink for Wireless Sensor Networks**
Shailesh Kumar, Surinder Singh Khurana

ICCCN-17-147 **A Collaborative Intrusion Detection System For Vehicular Ad hoc Networks**
Shagun Aggarwal, Sukhpreet Kaur, Gaganpreet Kaur, Rasmeet S. Bali

ICCCN-17-153 **Proposed Architecture to Improve SLReduct Framework for Stress Detection using Mobile Phone Sensing Mechanism in Wireless Sensor Network**
Prabhjot Kaur, Sheenam Malhotra

ICCCN-17-168 **Cooperative Game Theory for Residual Energy Based Load Balancing In Wireless Sensor Networks**
Gurwinder Singh, Surender Kumar

ICCCN-17-182 **Performance Analysis of Routing Protocols in Wireless Networks**
Dr. Pushpender Sarao, Dr. Sanjay Pachauri, Neelam Yadav

ICCCN-17-183 **A Brief Survey of Routing Protocols and an Optimal Backup Channel Routing proposal for Cognitive Radio Ad Hoc Networks**
Pooja Bansal, Shiraz Khurana, Prof. (Dr.) K.K. Paliwal

ICCCN-17-184 **Road Map Generation for VANET Simulation**
Ravneet Kaur, Meenu Khurana, Rishu Chhabra

ICCCN-17-191 **Review on Flexible and Secure Access to Medical Data in Wireless Sensor Networks**
Navneet Kaur, Sheenam Malhotra

ICCCN-17-205 **An Emergency Response Approach for Wireless Industrial Sensor Networks**
Rajesh Kumar Verma, Joy Lal Sarkar, Rajani Trivedi, Chhabi Rani Panigrahi, Bibudhendu Pati

ICCCN-17-206 **Clustering Algorithms for VANETs : A Survey**
Geetanjali Goyal, Dr. Trilok C. Aseri, Sudesh Rani

ICCCN-17-210 **Integrated Framework of IoT-WSN for Smart Cities**
Shalli Rani, Sandeep Verma

ICCCN-17-214 **A Low-Cost ZigBee Based Temperature and Humidity Acquisition System for Research and Industrial Applications**
Vidhu Shekhar Pandey, Deepak Sharma, Awdhesh Kumar Shukla, Sachin Tyagi, Manoj Kumar Nayak, Priyanka Bajaj

ICCCN-17-228 **Heterogeneity analysis of clustering based data collection techniques for WSN**
Sukhwinder Sharma, Rakesh Kumar Bansal, Savina Bansal

ICCCN-17-234 **A Survey on Congestion Control in VANETs : Rate and Range based Approaches**
Sudesh Rani, Deachan Choskit

ICCCN-17-255 **Taxonomy of Network layer DoS Attacks in Wireless Sensor Networks**
Navjot Sidhu, Monika Sachdeva

ICCCN-17-167 **Health Monitoring using Cloud-Based Wireless Body Area Networks: A Survey**
Roopali, Rakesh Kumar

International Conference on Communication, Computing and Networking ICCCN-2017

(23-24 MARCH, 2017)

PROGRAMME SCHEDULE (DAY-2) 24th March, 2017

Technical Session – IV (Venue: S. S. Bhatnagar Auditorium/Board Room)

Duration	9.30-11.00 Hrs
Theme	**Computer Networks & Security**
Invited Talk & Session Chairperson	**Mr. Ch A. S. Murty**
Rapporteur	Dr. Kanika Sharma
Session Coordinator	Ms. Shano Solanki
Student Volunteers	Vaishali Madaan, Palak Shandil, Rohit Singh

ICCCN-17-101 **A Brief Review of Methods for Prediction of Flyrock In Blast**
Navdeep Kumar, Balmukund Mishra, Dr. Vikram Bali, Dr. K. K. Paliwal

ICCCN-17-110 **A Survey of various IP-Traceback Approaches**
Amrita Saini

ICCCN-17-114 **Modified Otway-Rees And Needham-Schroeder Protocol For Session Key Distribution And Mutual Authentication in Distributed Computing Environment**
Rahila Khan, Dr. C. Rama Krishna

ICCCN-17-116 **Design of Secure Data Communication for Seismic Alert System**
Satish Kumar, Pawan Kapur, Renu Vig

ICCCN-17-141 **Performance Evaluation of Multi-Path TCP under Diversified Networks**
Anurag Jagetiya, C. Rama Krishna

ICCCN-17-142 **Polymorphic Shellcode Detection Using Proposed Stalking Model Implemented through Designed Intrusion Detection Prevention System Policy**
Saurabh Kumar, Dr. Anup Girdhar, Dr. C. Rama Krishna

ICCCN-17-165 **A Review: Comparative Analysis of Different Methods Used to Detect Malicious Accounts in Social Web Applications**
Anamika Saini, Sanjeev Sofat, Monika Singh

ICCCN-17-169 **A Comparative Study of Variants of RPL Protocol for Low Power and Lossy Networks**
Sonam Goyal, Dr. Trilok C. Aseri

ICCCN-17-170 **A Comparative Analysis of Dynamic Malware Analysis Tools**
Chahak, A.K Verma, Sanjay Madan

ICCCN-17-175 **Deep learning for Real Time Collision Detection and Avoidance**
Dr. Jagannath Aghav, Poorwa Hirve, Mayura Nene

ICCCN-17-190 **A New Approach to Punjabi Text Steganography using Naveen Toli**
Arun Kumar, Dr. Amandeep Kaur

ICCCN-17-208 **Survey of Variants of the Objective Functions in Routing Protocol for Low Power and Lossy Networks**
Sonia Uttreja, Dr. Trilok C. Aseri

ICCCN-17-222 **An Effective Authentication Scheme for Hybrid Cloud Using Elliptic Curve Cryptography and SHA-512**
Monika Gogna, Dr. C Rama Krishna

ICCCN-17-230 **Audio Steganography: A Review**
Sakshi Gupta, Deepti Dhingra, K.K.Paliwal

ICCCN-17-252 **Unknown Malware Detection with Static Features Using Machine Learning : A Brief Survey**
Sanjay Sharma, Dr. C. Rama Krishna

Tea Break (11.00-11.15 Hrs)

Technical Session – V (Venue: S. S. Bhatnagar Auditorium/Board Room)

Duration	11.15-13.00 Hrs
Theme	**Signal & Image Processing**
Invited Talk & Session Chairperson	**Prof. (Dr.) Renu Vig**
Rapporteur	Ms. Garima Saini
Session Coordinator	Ms. Sangeeta Gupta
Student Volunteers	Shachi Battar, Megha Vasudev, Ketan

ICCCN-17-105 **A review on GSA-FODPSO- SVM Based Feature Selection Algorithm**
Purnima Gaba, Mr. Surjeet Singh, Dr. K. K. Paliwal

ICCCN-17-112 **Implementing Three Way Separation of the Speech Signal Based on Element Position in the Speech Signal**
Divya Sharma

ICCCN-17-113 **Implementing Odd and Even Element Separation for Encryption of Speech Signal using Matlab**
Divya Sharma

ICCCN-17-131 **MIMO-OFDM PAPR Reduction Using Fusion of Techniques**
Raj Lakshmi Shukla, Monika Singh

ICCCN-17-146 **Advancement in Adaptive algorithm for Non-stationary Noise cancellation**
Shelly Garg, Heena Gupta, Reecha Sood

ICCCN-17-150 **Comparative Study of Efficient Face Recognition Methods: A Literature Survey**
Shashi Kant Sharma, Maitreyee Dutta, Kota Solomon Raju

ICCCN-17-185 **Implementing Software Defined Radio Using USRP and GNU Radio**
Nayan Basumatary

ICCCN-17-188 **A historical review of Image Forgeries**
Savita Walia, Krishan Kumar

ICCCN-17-192 **Capacity Enhancement of MIMO System over Fading Channels : A Review**
Shivani, Amita Soni

ICCCN-17-199 **A Hybrid CEC Approach For Estimation of Color Light Source**
Harpreet Kaur, Dr. Sandeep Sharma

ICCCN-17-203 **A Hybrid Approach For Stereo Matching Based On Joint Trilateral Filter & Improved Mean-Shift**
Deepika Kumari, Kamaljit Kaur

ICCCN-17-212 **Determination of light direction using 3d vector analysis of known shapes in images**
Deva Prasad, Krishan Kumar, Savita Walia

ICCCN-17-213 **A Survey on Nature Inspired Approaches for Brain Tumor Segmentation**
Khyati, Amit Doegar, Mamta Juneja

ICCCN-17-232 **QoS Discrepancy Impact Aware Best Fit Channel Selection and Void Filling by Burst Segmenting and Scheduling**
Venkata Rao Tavanam, B.N Bhandari, Karuna Sagar Dasari

ICCCN-17-253 **Image processing technique to determine quality aspect of microwave processed paneer prepared by automated press**
Chitranayak, M. Manjunatha, Mahesh Kumar G., Padma Priya, P.S. Minz, Amita Vairat

ICCCN-17-261 **A Survey of Gender Classification Techniques using Facial Characteristics**
Navreet Kaur, Dr. Sukhwinder Singh

ICCCN-17-262 **Multi-modal Medical Image Fusion: A Survey**
Jaskaranveer Kaur, Dr. Sukhwinder Singh, Dr. Savita Gupta

ICCCN-17-265 **Design of N-Bit Fault Tolerant Division Unit Using New Reversible Gates in QCA**
A.Kamaraj, Dr.P.Marichamy, J.Dhivya Bharathi

ICCCN-17-282 **PAPR evaluation of Wavelet based OFDM for Underwater Acoustic Communications**
Naresh Kumar, B. S. Sohi

ICCCN-17-286 **Review of Various Techniques Used In Image Enhancement In Vehicles Detection**
Alisha Sharma, Dr. Sandeep Sharma

Video Conferencing

Session Chairperson	**Ms. Mala Kalra**
Student Volunteers	Poonam, Roopali, Pawan Kumar, Rohit Handa

ICCCN-17-138 **Accomplishing Granularity in Android without OS Tweaking**
Akshay Bhardwaj, A J Singh

ICCCN-17-157 **Analysis of Gradient Based Edge Detection Operators**
Jaspreet Kaur, Anand Sharma

ICCCN-17-163 **ARP Poisoning Detection and Prevention Techniques: A Survey**
Vidya Srivastava, Muzammil Hasan, Dayashankar Singh

ICCCN-17-174 **A Proposed Approach for the Classification of Leukemia Using Artificial Bee Colony Optimization Technique and Back Propagation Neural Networks**
Rudrani Sharma, Rakesh Kumar

ICCCN-17-227 **Throughput and Delay Performance of Cooperative TDMA MAC protocol for Cognitive Networks**
Tadavarty Sriram, Thatakam Pooja, Sushma Chakravadhanula, B. N. Bhandari

ICCCN-17-244 **Study of PAPR Reduction Techniques Using Differential Encoded and STBC OFDM**
Asra Mubeen, S.ShaliniPriya, CH.Nipun, P.Sisira, B.N.Bhandari

ICCCN-17-278 **High Performance Interference Reduction in DS-CDMA System using Hybrid Cancellation method with Greedy Technique**
S.Ramkumar, Ms.J.Vijayalakshmi, Mr.V.Dinesh

Lunch (13.00 – 14.00 Hrs.) *(Venue: Har Gobind Khorana Guest House)*

Technical Session – VI (Venue: S. S. Bhatnagar Auditorium/Board Room)

Duration	14.00-15.30 Hrs
Theme	**Data Science**
Invited Talk & Session Chairperson	**Dr. R. B. Patel**
Rapporteur	Ms. Amandeep Kaur
Session Coordinator	Mr. Pardeep Bansal
Student Volunteers	Vartika, Ankita Dhiman, Suman Lata

ICCCN-17-120 **SnapBook – Design & Development of An Interactive Learning Device For Kids**
P.Sai Sheela, Rashika Joshi, Ms. Jasleen Kaur, Dr. SRN Reddy

ICCCN-17-125 **Pi Attendance: Design and Development of Biometric Portable Attendance System**
Deepika Wadhwa, Jasleen Kaur, Dr. SRN Reddy

ICCCN-17-132 **Intel Genuino 101: Case Study of Intel Curie Computing Platform for IoT Applications**
Nisha Sharma, Zeenat Shareef, Dr. S.R.N. Reddy

ICCCN-17-151 **A Framework for Data Quality Management in ERP implementation**
Ranjeet Kaur, Rakesh Kumar

ICCCN-17-152 **Reliability Analysis of an Augmented Baseline Network Using Markov Model**
Shally Bansal, Shalli Rani

ICCCN-17-172 **Software Component Identification from Object-Oriented Code Using Structural & Semantic Dependencies**
Amit Rathee, Jitender Kumar Chhabra

ICCCN-17-177 **Entity Resolution using Multiple Blocking keys and Hybrid Similarity**
Dolly Mittal, Emmanuel S Pill, M.C. Govil

ICCCN-17-178 **A Review on Sentiment Analysis**
Shruti Gupta, Ashutosh Pandey, Vikram Bali

ICCCN-17-239 **Microsoft Windows Azure Technology: An Overeview**
Rupali J. Dhabarde

ICCCN-17-247 **The Need for Integrating Cloud Computing and Internet of Things: A Review**
Ramneek Kaur, C. Rama Krishna

ICCCN-17-270 **Design of a Body Matched Bowtie Antenna for Biomedical Applications**
R. Rajkumar, P.Marichamy

ICCCN-17-271 **A Review on Medical Image Fusion Aspects and Techniques**
Gurpreet Kaur, Renu Vij, Sukhwinder Singh

ICCCN-17-277 **Spectrum Access in Cognitive Radio Networks: A Comparative Study**
Bhoopendra Kumar, Sanjay Kumar Dhurandher

ICCCN-17-119 **Big Data Analytics for Quality Improvement in Higher Education**
P S Grover

ICCCN-17-139 **Demonstration of IoT on IBM Bluemix: Temperature Sensor Application as a Case Study**
Anjum M. Aslam, Raksha Kiran Karda, Aditya Bhardwaj, C. Rama Krishna

ICCCN-17-209 **Cloud Based E Governance: Benefits and Challenges**
Deepti Sehrawat, Deepti Sindhu, Palak

ICCCN-17-231 **Insights from Big Data**
Punita, Amit Doegar, Madhu Sudan

Valedictory Ceremony (Venue: S. S. Bhatnagar Auditorium)

Duration	15.30-17.00 Hrs
Chief Guest	**Mr. Sofi Zahoor, Senior Director, Quark, Mohali, Punjab**