Ganpat University

International Conference on Computing Science, Communication and Security
(COMS2-2020) & Doctoral Colloquium

March 26th -28th , 2020
Venue: Ganpat University, Mehsana, Gujarat, India
http://coms2.gnu.ac.in/

Proposed Program Schedule of COMS2-2020

(Online Virtual International Conference through Zoom Meeting from Home)

Day 1: Thursday, 26th March 2020	
Time	Session
09:00 A.M. - 9:15 A.M. (GMT + 5:30 Hours)	Invocation, National Anthem आशीर्वचन / Conference Blessing by **Dr. Mahendra Sharma, Pro Chancellor, Ganpat University, India**
09:15 A.M. - 9:20 A.M. (GMT + 5:30 Hours)	About Conference by **Dr. Satyen Parikh, Executive Dean(FCA), Ganpat University**
09:20 A.M. - 9:50 A.M. (GMT + 5:30 Hours)	Plenary Session Talk 1: **Ph.D. Pursuing Areas** Speaker: **Dr. Dwarkadas P. Kothari,** Former Vice Chancellor, VIT Vellore, India
09:50 A.M. - 10:20 A.M. (GMT + 5:30 Hours)	Plenary Session Talk 2: **Big Data and Machine Learning in Life Science** **Speaker: Dr. Himanshu Mazumdar,** Head, R&D, D.D. University, Nadiad, Gujarat, India and Ex. Scientist, Physical Research Laboratory (PRL), Ahmedabad, Gujarat, India.
10:20 A.M. - 11:00 A.M. (GMT + 5:30 Hours)	Plenary Session Talk -3 : **Networking using Network Namespaces in Linux** Speaker: **Dr Mohit P Tahiliani** , National Institute of Technology, Karnataka, India
11:00 A.M. - 3:00 P.M. (GMT + 5:30 Hours)	**Session Track-1: AI and ML** Session Chairs: Dr. Maulika Patel, CVM University, Gujarat, India Dr. Devesh Kumar Srivastava, Manipal University, Jaipur, India Dr. Snehal Joshi, Veer Narmad South Gujarat University, Gujarat, India Dr. Nilesh Modi, Dr. Babasaheb Ambedkar Open University, Ahmedabad, India Dr. Satyen Parikh, Ganpat University, Gujarat, India Dr. Kiran Amin, Ganpat University, Gujarat, India Dr. Nirbhay Chaubey, Ganpat University, Gujarat, India

Online Oral Presentation of papers:

Timing	Paper id	Paper title
11:00 A.M. – 11:20 A.M. (GMT + 5:30 Hours)	006	Floor plan recognition and vectorization using combination UNet, Faster-RCNN, statistical component analysis and Ramer-Douglas-Peucker
11:20 A.M. – 11:40 A.M. (GMT + 5:30 Hours)	009	Demystifying Computational Techniques used to Diagnose Tuberculosis
11:40 A.M. – 12:00 NOON (GMT + 5:30 Hours)	015	Applications of classical and deep learning techniques for polar bear detection and recognition from aero photography
12:00 NOON - 12:20 P.M. (GMT + 5:30 Hours)	041	"Prediction of Lung Cancer using Machine Learning Classifier"
12:20 P.M. – 12:40 P.M. (GMT + 5:30 Hours)	044	Indian Currency recognition from live video using Deep learning
12:40 P.M. TO 1:20 P.M. - BREAK		
01:20 P.M.- 01:40 P.M. (GMT + 5:30 Hours)	052	Emotion Classification with Reduced Feature Set S G D Classifier, Random Forest and Performance Tuning
1:40 P.M.- 2:00 P.M. (GMT + 5:30 Hours)	053	Deep Recurrent Neural Network with Tanimo to Similarity and MKSIFT Features For Medical Image Search and Retrieval
2:00 P.M. – 2:20 P.M. (GMT + 5:30 Hours)	067	Malware Detection Framework using PCA based ANN
2:20 P.M. – 2:40 P.M. (GMT + 5:30 Hours)	073	Crime Prediction Using Spatio-Temporal Data
2:40 P.M. – 3:00 P.M. (GMT + 5:30 Hours)	084	Cyber Security Intrusion Detection using Machine Learning Techniques
**** End of the Session ****		

Day 2: Friday, 27th March 2020

Time	Session
09:30 A.M. - 03:50 P.M. (GMT + 5:30 Hours)	**Session Track-2: Networking and Communication** Session Chairs: Dr. N.J. Kothari, D.D.University, Nadiad, Gujarat, India Dr. Vishvjit Thakkar, Gokul Global University, Gujarat, India Dr. Hemal Shah, Ganpat University, India Dr. Vrushank Shah, Indus University, India Dr. Satyen Parikh, Ganpat University, Gujarat, India Dr. Rakesh Vanzara, Ganpat University, India **<u>Online Oral Presentation of papers:</u>**

Timing	Paper id	Paper title
9:30 A.M. – 9:50 A.M. (GMT + 5:30 Hours)	008	Ponte Message Broker Bridge Configuration using MQTT and CoAP Protocol for Interoperability of IoT
9:50 A.M.– 10:10 A.M. (GMT + 5:30 Hours)	018	A New Channel-Aware Downlink Scheduling Algorithm for LTE-A and 5G HetNets
10:10 A.M. – 10:30 A.M. (GMT + 5:30 Hours)	027	Coordinator controller election algorithm to provide failsafe through load balancing in Distributed SDN Control plane
10:30 A.M.- 10:50 A.M. (GMT + 5:30 Hours)	057	VMI-Based Defence Against APTs in a Virtualization Environment
10:50 A.M.- 11:10 A.M. (GMT + 5:30 Hours)	058	Design of a Network with Sensor-Cloud Technology applied to Traffic Accident Prevention
11:10 A.M. TO 11:30 A.M. - BREAK		
11:30 A.M. – 11:50 A.M. (GMT + 5:30 Hours)	049	ITS based OBU: A Fallback Mechanism in Vehicular Ad-hoc Network
11:50 A.M. – 12:10 P.M. (GMT + 5:30 Hours)	059	Identification of transit incidents from GPS public transport records
12:10 P.M. – 12:30 P.M. (GMT + 5:30 Hours)	060	Optimization of driving efficiency for pre-determined routes
12:30 P.M. – 12:50 P.M. (GMT + 5:30 Hours)	071	Predicting Passenger Flow in BTS and MTS using Hybrid Stacked Auto-Encoder and Softmax Regression
12:50 P.M. TO 1:30 P.M. - BREAK		

Session Track-3: Computing Science and Security

Session Chairs:
Dr. Savita Gandhi, Gujarat University, Ahmedabad, India
Dr. Anand Nayyar, Duy Tan University, Vietnam
Dr. Binod Kumar, JSPM, Pune University, India
Dr. Satyen Parikh, Ganpat University, Gujarat, India
Dr. Nirbhay Chaubey, Ganpat University, Gujarat, India

Online Oral Presentation of papers:

Timing	Paper id	Paper title
1:30 P.M. – 1:50 P.M. (GMT + 5:30 Hours)	007	Multiclass MI-Task Classification using Logistic regression and Filter Bank Common Spatial Patterns
1:50 P.M. – 2:10 P.M. (GMT + 5:30 Hours)	024	Color Image Watermarking in Encryption Domain
2:10 P.M. – 2:30 P.M. (GMT + 5:30 Hours)	042	Melanoma detection using HSV with SVM Classifier and De-duplication Technique to Increase Efficiency.
2:30 P.M. – 2:50 P.M. (GMT + 5:30 Hours)	054	A new Approach to Solve Job Sequencing Problem using Dynamic Programming with Reduced Complexity
2:50 P.M.- 3:10 P.M. (GMT + 5:30 Hours)	055	Optimizing Complexity of Quick Sort
3:10 P.M.- 3:30 P.M. (GMT + 5:30 Hours)	062	Comparison of Bioinspired Algorithms Applied to the Timetabling Problem
3:30 P.M. – 3:50 P.M. (GMT + 5:30 Hours)	079	Signature based malicious behavior detection in Android
5:30 P.M. – 5:50 P.M. (GMT + 5:30 Hours)	**Valedictory Session** **- -Vote of Thanks - -**	