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PuneCon 2019 Presentation Schedule

Day - 1 (19 th December 2019) Thursday 2:00 pm to 5:30pm		
Session - 1		
Track - Green IOT		
Session Chairs: Mr. Nilesh Deshmukh, Dr. S. L. Lahudkar, Dr. V. V. Gohokar		
Venue : Civil seminar hall (AS- 208)		
PG (ID)	Author name	Title of Paper
1 (17)	Sarika Korade, Vinit Kotak and Asha Durafe	Modern Healthcare System
7 (18)	Sonia Kuwelkar and H. G. Virani	Performance Analysis of the Objective Functions in IPv6 Routing Protocol for LLN's used in IOT Applications
12 (29)	Sonali Mahajan and A.M.Birajdar	IOT based Smart Health Monitoring System for Chronic Diseases
17 (47)	Navneet K. Bharti, Mohit D. Dongargaonkar, Isha B. Kudkar, Siuli Das and Malay Kenia	Hydroponics System for Soilless Farming Integrated with Android Application by Internet of Things and MQTT Broker
22 (58)	Sonam Sharma	pubHeal - A Decentralized Platform on Health Surveillance of People
28 (95)	Adwait Shinganwade, Ashutosh Kamat, Smriti Saxena, Shriya Suryavanshi and Pratik Soygaonkar	Smart Public Toilet Health Check System
32 (113)	Pranali Kosamkar and Vrushali Y. Kulkarni	Effect of Soil Attribute on Greenhouse Gas Emission from Agriculture using IoT
38 (139)	Nilam Kadale, Jayashree R. Prasad and Rajesh S. Prasad	Machine Learning Approaches for Securing Internet of Things
43 (157)	Mahesh Kavre, Aditya Ajay Gadekar and Yash Gadhade	Internet of Things (IoT): A Survey
49 (179)	Akhilesh Joshi, Indraje Dandekar, Narayan Hargude, Shrottri A.P. and Dandekar A.R	Application of Internet of the Things(IOT) for the Water Conservation and Entrepreneurship in the Rural Area
53 (191)	P. P. Gundewar, V. U. Patel, T S. Chaware, A. R. Askhedkar, R. S. Raje, M. M. Subhedar and V. N. Udgire	Design of a Microstrip Patch Antenna as a Moisture Sensor
58 (196)	Sneha Sapre and J. P. Shinde	Water Pipeline Monitoring on Cloud & Leakage Detection with a Portable Device
63 (200)	Asif Islam, Prem Saha, Masud Rana, Md. Mim Adnan and Bishwajit Banik Pathik	Smart Gardening Assistance System with the Capability of Detecting Leaf Disease in MATLAB
69 (209)	Rutuja Pisal, Surbhi Razdan and Pratik Kalaskar	Influence of Industry 4.0 on Manufacturing Processes

Day - 1 (19 th December 2019) Thursday 2:00 pm to 5:30pm		
Session - 2		
Track - Communication System		
Session Chairs: Dr.Vandana Rohokale, Dr.M.M. Sardeshmukh		
Venue : IT Conference Room (A-404)		
PG (ID)	Author name	Title of Paper
74 (38)	Neeta N. Thune and S. L. Haridas	Power Efficient 4D-8PSK Trellis Coded Modulation (TCM) Decoder for Wireless Application
78 (96)	Devidas Lokhande and Devendra Kyatanavar	Energy Consumption and QoS Performance in Viral Mobile Communication (VMC) Network
83 (130)	Monika Botre and Anjali Askhedkar	LiFi and Voice Based Indoor Navigation System for Visually Impaired People
87 (135)	Sanofar Momin, Ajay Khandare, Dnyandeo Pethe and Sudhir Sawarkar	Design of High Performance & Wide-bandwidth Bow-Tie Antenna for Ground Penetrating Radar (GPR) System
92 (138)	Akshaya Gharat, Ajay Khandare and Lochan Jolly	Design of Helical antenna at 403 MHz for Radiosonde
97 (155)	Mandar Joshi, Jayant Joshi and Shyam Pattnaik	Hexagonal Slotted Wearable Microstrip Patch Antenna for Body Area Network
101 (159)	Gitimayee Sahu and Sanjay Pawar	Resource allocation using Genetic Algorithm in Heterogeneous Network
108 (183)	Shruti Danve, Manoj S. Nagmode and Shankar B. Deosarkar	Energy Efficient Cellular Network Base Station: A Survey
112 (194)	Sanjay Patil, Dnyandeo Pete and Sudhir Sawarkar	Augmentation in Battery & E-Vehicle Performance Using Accelerometer
116 (208)	RKAR. Kariapper, P. Pirapuraj, MS. Suhail Razeeth, ACM. Nafrees and KLM.Rameez	Smart Garbage Collection Using GPS & Shortest Path Algorithm

Day - 1 (19th December 2019) Thursday 2:00 pm to 5:30pm

Session - 3

Track - Analytics & AI

Session Chairs: Mr.Hemant Joshi, Dr.Alwin Anuse

Venue : IT Seminar Hall (A-403)

PG (ID)	Author name	Title of Paper
122 (2)	Ishmeet Singh Kalra, Sarthak Pandita, Sagar Soni and MD Kazmi Alam	Deep Convolution Q-Learning for Emulation of Human Behavior Patterns in Gaming Bots
128 (20)	Aishwarya Shirbhate and Saubhik Samirkumar Das	Static and Dynamic Beach Lighting Using Cloud based UAV
132 (21)	Hafiz Shaikh and Neelima Kulkarni	Perception on PSO, Fuzzy and Fuzzy-PID for Water Level Control of Coupled Tank System
137 (22)	Kiran Kamble, Anuthi Bhansali, Pranali Satalgaonkar and Shruti Alagundgi	Counterfeit Currency Detection using Deep Convolutional Neural Network
141 (24)	Aamod Khatiwada, Pradeep Kadariya, Sandip Agrahari and Rabin Dhakal	Big Data Analytics and Deep Learning Based Sentiment Analysis System for Sales Prediction
147 (60)	Sanjeev Manchanda and Ajeet Phansalkar	Automating Knowledge Extraction from Unstructured Knowledge Articles
153 (64)	Basavaraj Madagouda and R. Sumathi	Analysis of Localization Using ANN Models in Wireless Sensor Networks
157 (65)	Devashish Prasad, Kshitij Kapadni, Ayan Gadpal, Manish Visave and Kavita Sultanpure	HOG, LBP and SVM based Traffic Density Estimation at Intersection
162 (67)	Shebin Silvester, Dheeraj Komandur, Aditya Khochare, Shubham Kokate, Uday More, Vinayak Musale and Avdhoot Joshi	Deep Learning Approach to Detect Potholes in Real-Time using Smartphones
166 (170)	Kamal Sharma, Prachi Bhalerao and Soumitra Kar	Modulation of Occipital EEG with Eye-Accommodation and its possible use for a Brain-Computer Interface

Day - 1 (19th December 2019) Thursday 2:00 pm to 5:30pm

Session - 4

Track - Analytics & AI

Session Chairs: Dr. Pranoti Mane, Dr.Rupali Kute

Venue : Research Lab(204)

PG (ID)	Author name	Title of Paper
170 (66)	Nupur Giri, Sanika Chavan, Raghav Heda, Reema Israni and Ritika Sethiya	Disease Migration, Mitigation, and Containment: Impact of Climatic Conditions & Air Quality on Tuberculosis for India
176 (74)	Chahat Bhatia	Voice Enabled Extended Reality
181 (83)	Milind S. Patil and Sanjay P. Shekhawat	Estimation of Average Daily Solar Radiation for Rural Areas Using ANN
186 (88)	Nilima Pardakhe and V. M. Deshmukh	Machine learning and Blockchain Techniques used in Healthcare System
191 (90)	Ela Gore and Sheetal Rathi	Surveying Machine Learning algorithms on EEG signals data for Mental Health Assessment
197 (108)	Parth Sagar, Shashank Singh, Anshu Dwivedi, Rushab Khopade and Yogesh Digambar	Metal Surface Defect Detection
201 (109)	Shubham Sharma, Saurabh Mishra, Nachiket Deodhar, Akshay Katageri and Parth Sagar	Solving the Classic Snake Game Using AI
205 (114)	Shivani Kale and Preeti S. Patil	A Machine Learning Approach to Predict Crop Yield and Success Rate
210(128)	Anuradha Yenikar, Narendra Babu and Sunil Sangve	R-SA: A Rule-based Expert System for Sentiment Analysis
217 (173)	Kamal Sharma and Soumitra Kar	Continuous Control of SSVEP Magnitude with Eye-accommodation
223 (184)	Anuradha Yenikar, Narendra Babu, Sunil Sangve and Manish Bali	OACD-SA: Online Aspect Category Detection for Sentiment Analysis using Unsupervised Learning

Day - 1 (19th December 2019) Thursday 2:00 pm to 5:30pm**Session - 4****Track - Humanity and Science****Session Chairs: Mr. Sachin Gadekar****Venue : Research Lab(A-204)**

PG (ID)	Author name	Title of Paper
230 (102)	Swapna Gokhale	Analysis of Global Technology Price Index
235 (205)	Vaishali Joshi, Jayant G. Joshi and Sunil B. Somani	Mechanization in Countryside Related to Primary Human Activities

Day - 2 (20th December 2019) Friday 10:00 am to 12:45 pm**Session - 1****Track - Robotics & Automation****Session Chairs: Mr. Amol Gulhane, Dr.Yogesh Angal, Dr.K. G. Gunale****Venue : Civil seminar hall (AS- 208)**

PG (ID)	Author name	Title of Paper
239 (51)	Rachana Khamamkar and Anushi Keswani	Analyzing Power Management in Non-Volatile Memory Express (NVMe) Solid State Drives
243 (86)	Rakesh Borase, Jayanand Gawande, Sushant Pawar and Sharad Jadhav	Solar Powered Water Desalination Using Fresnel Lens Tracking System
247 (118)	Tejas Chaudhari, Rohit Bangal, Sagar Wadhai, Ganesh Chincholkar, Prathmesh Nalawade, Kunal Patil and Hemant Ghuge	Design and Control of Quadraped Robot along with Machine Vision based Path Planning
253 (120)	Madhukar Gavani, Dhananjay Tanpure and Parasram Falake	Path Planning of Three Wheeled Omni-Directional Robot Using Bezier Curve Tracing Technique and PID control Algorithm
259 (122)	Milind Patwardhan, Kimaya Kulkarni, Apoorva Mahajan, Yash Zambre and Shreya Killedar	Locomotion by Shortest Path and Obstacles Avoidance
263 (147)	Anjali Chandavle, Abhijeet Dixit, Aditya Khedkar and Rucha Kolekar	Automated Systems for Smart Agriculture
269 (150)	Farees Rahman Thadathil and Arun Raj kumar Parthiban	Emergency Message Dissemination in Post Disaster Situations using Internet of Things (IoT)
274 (158)	Tejashree Balgude and Satyawana Jagtap	Controller Interface Between Power Supply Used for Welding Operations and a Robotic Arm Implementing a DeviceNet Protocol
278 (164)	Amogh Kulkarni and Chinmay Saraf	Learning from Nature: Applications of Biomimicry in Technology
284 (199)	Saumyakanta Khatua, Jay Kumar Das, Snehasish Pradhan, Rohan Dalal and P.B. Karandikar	Comparative Study of Binders for Super-capacitor
288 (203)	Shivraj S. Dalu and Pushkraj S. Dalu	Design and Development of Modular Snake Robot and Implementation of Locomotive Gaits

Day - 2 (20th December 2019) Friday 10:00 am to 12:45 pm**Session - 2****Track - Signal Processing****Session Chairs: Dr. Y. Ravinder, Dr.Prachi Mukherji, Dr.A.C.Phadke****Venue : IT Conference Room (A-404)**

PG (ID)	Author name	Title of Paper
293 (19)	Rajender Kumar and Amit Kant Pandit	K-Multi Constraint Shortest Paths for Video Compression in Handheld Devices Using Improved Quadtree based Motion Estimation
298 (27)	Aayushi Ajmera, Mrunal Divecha, Shiraz Saptarshi Ghosh, Ishita Raval and Ratnesh Chaturvedi	Video Steganography: Using Scrambling-AES Encryption and DCT, DST Steganography
305 (100)	Suraj Raka, Ashutosh Kamat, Shubhada Chavan, Aanchal Tyagi and Pratik Soygaonkar	Taste-wise fruit sorting system using thermal image processing
309 (123)	Kimaya Kulkarni, Ashutosh Marathe, Apoorva Mahajan, Yash Zambre, Shreya Killedar and Faisal Belwadi	Text Detection and Communicator using Braille for Assistance to Visually Impaired
314 (156)	Deepali Ganakwar and Vipul Kadam	Comparative Analysis of Various Face Detection Methods
318 (171)	Vedant Shukla and Virendra Shete	A Study of Statistical Parameters of Rician Distributed MR Images
322 (177)	Jyoti Lele and Aditya Abhyankar	Towards Raga Identification of Hindustani Classical Music
326 (180)	Amreen Kazi, Sudhir Sawarkar and Pete Jageshwar	Image Restoration using Blind Deconvolution
330 (182)	Vrushali Pagire and Anuradha Phadke	Detection of Moving Object based on FPGA
334 (188)	Ujjwala Rawandale and Mahesh Kolte	Study of Audiogram for Speech Processing in Hearing Aid System

Day - 2 (20th December 2019) Friday 10:00 am to 1:00 pm**Session - 3****Track - Analytics & AI****Session Chairs: Dr.Prachi Joshi, Dr.S.A.Khoje****Venue : IT Seminar Hall (A-403)**

PG (ID)	Author name	Title of Paper
338 (37)	Amit Thombre	Effect of Outlier Removal on Grid Search and Distance Between Two Classes (The Techniques to Find Hyperparameter, Sigma of Support Vector Machine)
346 (112)	Sumit Chavan, Avanti Dorle, Siddhivinayak Kulkarni and Sitalakshmi Venkatraman	Prediction Model Development using Neural Network Approach
352 (116)	Sumitra Jakhete, Pranit Bagmar, Piyush Pimplikar, Atharva Rajurkar and Avanti Dorle	Object Recognition App for Visually Impaired
356 (119)	Jimit K. Shah, Anuya S. Padte and Purnima N. Ahirao	SangCTC-Improving Traditional CTC for End-to-End Training in Optical Music Recognition (August 2019)
361 (131)	Baljeet Kaur	Data Science: Empowering Business Strategy
366 (136)	Tanay Karve, Rahul Dalal, Bharat Dev Burman and Smita Bhanap	Towards Proxy-Attendance Detection using a Digital Attendance System and Machine Learning
371 (143)	Shivani Patil and Pradnya Kulkarni	Diabetic Retinopathy Detection Methods and Challenges
374 (163)	Rik Das, Khushbu Kumari, P.K. Manjhi and Sudeep Thepade	Ensembling Handcrafted Features to Representation Learning for Content Based Image Classification
378 (168)	Pradnya Kulkarni, Rashmi Phatak, Bela Bhate, Rutuja Deshpande and Sunil Rai	Recommendation System for Enhancing eLearning using Deep Learning
382 (169)	Leena Bhandari, Aaishwarya Darandale, Ansh Puri and Aditya Joshi	SmartCart- Mall Assistant

Day - 2 (20th December 2019) Friday 10:00 am to 12:45 pm

Session - 4

Track - Analytics & AI

Session Chairs: Dr.C.Manjare, Dr. Anjali Chandwale

Venue : Research Lab(204)

PG (ID)	Author name	Title of Paper
387 (132)	Chetana Reddy and Virendra Shete	Synchronization and Channel Estimation in OFDM using Modified Linear Minimum Mean Square Error
393 (145)	Minakshi Waghulde, Shirish Kulkarni and Gargi Phadke	Detection of Skin Cancer Lesions from Digital Images with Image Processing Techniques
399 (162)	Mohammad Atik Shahriar and Md. Abdul Baset Bhuiyan	An Electrical Grid system for an Offgrid Isolated Place
404 (166)	Mafizur Rahman and Linta Islam	Diabetes Recognition in Pregnant Women by Extracting Features Using PCA and Data Mining Algorithms
410 (167)	Linta Islam, Syada Tasmia Alvi, Mohammed Nasir Uddin and Mafizur Rahman	Obstacles of Mobile Crowdsourcing: A Survey
414 (181)	Sanket Sadavarte and Eliane Bodanese	Pregnancy Companion Chatbot Using Alexa and Amazon Web Services
419 (187)	Irfan Mujawar, Bharat Jadhav, Vishal Waghmare and Rajashri Patil	Online Approach for Diabetes Diagnosis and Classification with Expert System Modules using Fuzzy Logic
425 (189)	Rupali Molawade, Deepa Parasar and Sujata Bhaimallykar	Efficient Social Network Summarisation
430 (206)	Uma Mahajan, Anup Krishnan, Vineet Malhotra, Deep Sharma and Sharad Gore	Predicting Fitness and Performance of Diving using Machine Learning Algorithms