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5th IEEE International Conference
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Recent Advances and Innovation in Engineering
(ICRAIE-2020)
(IEEE Record # 51050)
Presentation Schedule
Technical Sessions
Track 1 - Computer Science Engineering and Information Technology

Track Chair: Dr. Ajay Khunteta		Track Co-Chair: Dr. SurendraYadav	
Tuesday, Day 1: 1st December, 2020			

Pg.No	ID	Time	Authors	Paper Title
Session IA: Artificial Intelligence and Machine Learning (12:00 noon– 2:00 pm)				
Session Chair: Dr. Nilanjan Dey **Rapporteur: Dr. Ajay Khunteta**				
1	1570658504	12.00 noon –12.15pm	**MadanLal Saini** (Poornima University, India); **ShilpiKulshrestha** (Jagannath University, India)	Study for the Prediction of E-Commerce Business Market Growth Using Machine Learning Algorithm
7	1570678190	12.15 pm – 12.30 pm	**Sumindar Kaur Saini** (UG, India); **Vishal Dhull** (UIET, Panjab University, India); **Sarbjeet Singh &Akashdeep Sharma** (Panjab University, India)	Visual Exploratory Data Analysis of COVID-19 Pandemic
13	1570682976	12.30 pm – 12.45 pm	**DiptiVermaNashine** (DYPIMCAM, India)	Implementation of Machine Learning Algorithm for Predicting Performance of Student With Specific Reference to Master of Computer Application (MCA) Programme
17	1570683960	12.45 pm – 1.00 pm	**Yashvanth Kumar Guntupalli and VemulaSaiSaketh** (PES University, India); **Amudheswaran S** (VTU, India); **Devashish S Vaishnav**(PES University, India)	High-Scale Food Recommendation Built on Apache Spark Using Alternating Least Squares
27	1570691475	1.00 pm – 1.15 pm	**Siwoo Kim and Ivy Liang** (Choice Research Group, USA)	Forecasting Housing Starts and Mortgage Rates Using Statistical and Computational Analysis
33	1570691684	1.15 pm – 1.30 pm	**Mihir Gandhi; DevanshSanjeev Solanki; Rutwij Sanjay Daptardar; NirmalaShindeBaloorkar** (K J Somaiya College of Engineering, India)	Smart Control of Traffic Light Using Artificial Intelligence
22	1570684251	1.30 pm – 1.45 pm	**PriyankaDwivedi**(IIT Delhi, India)	An Embedded Deep Learning Based Traffic Advisory System

	Session IIA: Artificial Intelligence and Machine Learning (3:00 pm – 4:30 pm)			
	Session Chair: Dr. Krishan Kumar, HoD CSE NIT Uttarakhand, Srinagar Rapporteur: Dr. Neelam Chaplot			
Pg.No	ID	Time	Authors	Paper
39	1570692375	3.00 pm-3.15 pm	**BhawanaMaurya** (Government Women Engineering College, India); **SarojHiranwal** (RIET, India)	A Review on Liver Cancer Detection Techniques
56	1570694211	3.15 pm-3.30 pm	**Anil Singh Parihar,ShivamSinghal, , SrishtiNanduri and YashRaghav,** Dept. of Computer Science and Engineering, Delhi Technological University New Delhi, India	A comparative analysis of Deep Learning based approaches for Low-light Image Enhancement
44	1570693295	3.30 pm-3.45 pm	**Pushpendra Singh Sisodia** (Poornima College of Engineering, India)	An Elderly Fall Detection Techniques Using Depth Images
48	1570693476	3.45 pm-4.00 pm	**SowmyaSanagavarapu** (Anna University, India), **Sashank Sridhar** (Anna University, India)	Dynamic Routing Framework Proposal for SDWAN Using Topology-Based Multitask Learning
61	**Invited 1**	4.00 pm-4.15 pm	**CostinBadica, Amelia Badica**(University of Craiova Craiova, Romania); **Maria Ganzha** (Warsaw University of Technology Warsaw, Poland); **Marcin Paprzycki** (Systems Research Institute Polish Academy of Sciences Warsaw, Poland); **MirjanaIvanovic** (University of Novi Sad Novi Sad, Serbia)	Multi-Agent Simulation of Core Spatial SIR Models for Epidemics Spread in a Population
	Session IIIA: Networks, Security and Biometrics (4:30 pm-6:00 pm)			
	Session Chair: Dr. PriyankaDahiya, SOC, DIT Dehradun Rapporteur: Dr. Neelam Chaplot			
Pg.No	ID	Time	Authors	Paper
72	1570688080	4.30 pm-4.45 pm	**Belen Septian** (Osmania University, India)	IoT Based Power Monitoring System for Diesel Generator
76	1570691093	4.45 pm-5.00 pm	**PriyaMukundDeshmukh** (PRMIT&R, Amravati, Maharashtra, India)	Biometric Jammer: A Security Enhancement Using SVM Classifier
87	1570693893	5.00 pm-5.15 pm	**GarimaMathur** (Poornima College of Engineering, Jaipur, India); **SanjeevYadav** (Govt. Women Engineering College Ajmer, India)	Monitoring and Detection of Blood Flow Based on Internet of Things
82	1570692213	5.15 pm-5.30 pm	**DanialMubariq Mohamed Azzahar** (UniversitiTeknologi MARA Cawangan Kedah, Malaysia); **Siti Rafidah Muhamat Dawam** (UniversitiTeknologi MARA Cawangan Kedah & Faculty of Computer & Mathematical Sciences, Malaysia)	A Review: Standard Requirements for Internet of Vehicles (IoV) Safety Applications
68	1570687975	5.30 pm-5.45 pm	**ShaifizatMansor** (UniversitiTeknologi Mara & Kedah Branch, Malaysia)	Blockchain-Based Internet of Vehicles (BIoV): An Approach Towards Smart Cities Development

Wednesday, Day 2: 2nd December, 2020

Session IVA: Natural Language Processing (8:00 am – 9:30 am)

Session Chair: Dr. Anil Kumar Dahiya, Head Research DIT Dehradun
Rapporteur: Dr. Praveen Gupta

Pg.No	ID	Time	Authors	Paper
90	1570683255	8:00 am – 8:15 am	**Nor Hafizah Abdul Razak and NurulHusnaMahadzir** (UniversitiTeknologi MARA Cawangan Kedah, Malaysia)	A New Sentiment Analysis Model for Mixed Language Using Contextual Lexicon
95	1570683464	8:15 am – 8:30 am	**Noor Hasnita Abdul Talib and SaffaRaihanZainalAbidin** (UniversitiTeknologi MARA, Malaysia); **SitiFadzilah Mat Noor** (National University Of Malaysia, Malaysia)	Serious Game Development - A Miraculous Literacy Tool for Halus Students
101	1570688043	8:30 am – 8:45 am	**AparGarg and Rohit Kumar Kaliyar** (Bennett University, India)	PSent20: An Effective Political Sentiment Analysis With Deep Learning Using Real-Time Social Media Tweets
106	1570688191	8:45 am – 9:00 am	**Tanmay Vijay** (Rajasthan Technical University, Kota, India); **Ayan Chawla** (Dav University, Jalandhar, India); **BalanDhanka** (CCT, University of Rajasthan, Jaipur, India); **PurnenduKarmakar** (The LNM Institute of Information Technology, India)	Sentiment Analysis on COVID-19 Twitter Data
113	1570694115	09:00 am-09:15 am	**KamleshLakhwani** (Lovely Professional University Phagwara, Punjab, India); **Sandeep Bhargava** (Poornima College of Engineering Jaipur); **Devendra Somwanshi** (Poornima College of Engineering, Jaipur); **Dr. Ruchi Doshi** (Jayoti Vidyapeeth Women's University, Jaipur); **Kamal Kant Hiran** (Sir PadampatSinghania University Udaipur, Rajasthan, India);	An Enhanced Approach to Infer Potential Host of Coronavirus by Analysing Its Spike Genes Using Multilayer Artificial Neural Network

Session VA: Natural Language Processing (9:30 am – 10:30 am)

Session Chair: Dr. Anil Kumar Dahiya, Head Research DIT Dehradun
Rapporteur: Dr. Praveen Gupta

Pg.No	ID	Time	Authors	Paper
122	1570693653	9:30 am – 9:45 am	**Amrita Sharma and Neha Chaudhary** (Manipal University Jaipur, India)	Linear Regression Model for Agile Software Development Effort Estimation
118	1570693167	09.45am – 10.00 am	**SitiNurbaya Ismail** (UniversitiTeknologi MARA Kedah, Malaysia); **Shahirah Mohamed Hatim** (UniversitiTeknologi MARA, Perak Branch, Tapah Campus,	Chemistry Education (Rate of Reaction) via eLearning Mobile Application

Pg.No	ID	Time	Authors	Paper
			Malaysia); **Shamsul Jamel Elias** (Doctor of Philiosophy, Malaysia); **AbdRazakMansor**(UniversitiTeknologi MARA Kedah, Malaysia); **Adam Wong Yoon Khang** (UniversitiTeknikal Malaysia Melaka, Malaysia)	
126	1570694117	10:00 am- 10:15 am	**Kamlesh Lakhwani** (Lovely Professional University Phagwara, Punjab, India); **Sandeep Bhargava** (Poornima College of Engineering Jaipur); **Mahesh Bundele** (PCE, Jaipur); **Kamal Kant Hiran** (Sir PadampatSinghania University, Udaipur, Rajasthan, India)	Prediction of the Onset of Diabetes Using Artificial Neural Network and Pima Indians Diabetes Dataset

Session VIA: Parallel, Distributed and High Performance Computing (12:30 pm-1:30 pm)

Session Chair: Dr. Emmanuel Pilli, HoD CSE, MNIT, Jaipur
Rapporteur: Dr. Ajay Khunteta

Pg.No	ID	Time	Authors	Paper
132	1570681977	12.30 pm – 12.45 pm	**DhavalJayendrakumarPujara and MathirajanMuthu**(Indian Institute of Science, India)	Mixed Integer Linear Programming Model for Scheduling Burn-In Ovens to Minimize Total Weighted Earliness/Lateness
137	1570681984	12.45pm – 1.00 pm	**MinalMoharir and Shobha G** (R V College of Engineering, India); **AkshayOppiliappan** (RV College of Engineering, India); **Akash R and Rohit Mohan Krishna G V L** (R V College of Engineering, India); **S NitinPandit** (RV College of Engineering, India); **Mohit Prakash Saxena** (Citrix R & D India Pvt Ltd, India)	A Study and Comparision of Various Types of Load Balancers
144	1570688194	1.00pm – 1.15m	**Inderjit Singh Dhanoa and Kulvinder Kaur** (Guru Nanak Dev Engineering College, Ludhiana, India); **PankajBhambri** (Guru Nanak Dev Engineering College, Ludhiana)	Optimized PSO-EFA Algorithm for Energy Efficient Virtual Machine Migrations
149	1570691402	1.15pm- 1.30pm	**StefkaFidanova** (Institute of Information and Communication Technologies, Bulgaria)	Hybrid Ant Colony Optimization Algorithm for Multiple Knapsack Problem

Session VIIA: Deep Learning and Neural Networks (4:30 pm-6:00 pm)

Session Chair: Dr. Ajay Pratap, CSE Dept., IIT BHU
Rapporteur: Dr. Sunil Gupta

Pg.No	ID	Time	Authors	Paper
154	1570678324	4.30 pm-4.45 pm	**LeenaChandrashekar** (RVCE, India); **A Sreedevi**(VTU, India)	Angle Classifier for Registration of MRI and CT Brain Images Using Deep Learning
160	1570679627	4.45 pm-5.00 pm	**ALokNegi**(National Institute of Technology	Face Mask Detection Classifier and

Pg.No	ID	Time	Authors	Paper
			Uttarakhand, India); **Prachi Chauhan** (G. B. Pant University of Agriculture and Technology Pantnagar, India); **Krishan Kumar** (National Institute of Technology Uttarakhand, India); **Ravindra Rajput** (G. B. Pant University of Agriculture and Technology, Pantnagar, India)	Model Pruning with Keras-Surgeon
166	1570682630	5.00 pm-5.15 pm	**KiranBisht**(G. B. Pant University of Agriculture and Technology, India)	Deep Reinforcement Learning Based Multi-Objective Systems for Financial Trading
172	1570682898	5.15 pm-5.30 pm	**MamtaGehlot and MadanLal Saini** (Poornima University, India)	Analysis of Different CNN Architectures for Tomato Leaf Disease Classification
183	1570692322	5.30 pm – 5.45 pm	**Jasmin Ilyani Ahmad** (UiTM, Malaysia); **Nor HanizaMohdKhir** (UniversitiTeknologi MARA (UiTM) Kedah, Malaysia); **Marina Ismail** (UniversitiTeknologi MARA, Malaysia)	Persona Modelling via Correlation and Regression Analysis in CCI Gamification
188	1570694234	5.45 pm- 6.00 pm	**Anil Singh Parihar, Aditya Kaushik, Aditya VikramChoudhary, Amit Kumar Singh** Department of Computer Science and Engineering,Delhi Technological University Delhi, India	A Primer on Conditional Text based Image Generation through Generative Models
178	1570683507	06:00PM-06:15PM	**PuneetDwivedi, Ravi Singh Pippal**, RKDF University Bhopal, India	Design and Performance Analysis of Routing Protocols for Delay Tolerant Networks

Thursday, Day 3: 3rdDecember, 2020

Session VIIIA: Deep Learning and Neural Networks (11:30 am – 12:45 pm)

Session Chair: Dr. Rajbir Kaur, CSE Dept. LNMIIT, Jaipur
Rapporteur: Dr. Ajay Khunteta

Pg.No	ID	Time	Authors	Paper
194	1570683247	11:30 am – 11:45 am	**Afida Ahmad and Nora BaizuraMohd Isa** (UniversitiTeknologi Mara, Malaysia)	Using Bezier-Ball Function to Interpolate Positive Data and It's Application
200	1570688433	11:45 am – 12:00 noon	**R KajaBanthaNavas and S Prakash Dr** (Sathyabama Institute of Science and Technology, India)	A Systematic Review on Wind Energy Resources Forecasting by Neural Network
206	1570693179	12:00 noon -12:15 pm	**NurulFatinaYusni, Nur Farah HananiMohdZaim and SitiKhairulNizaSukri; NorehaCheSidik; Shamsul Jamel Elias; ZanariahIdrus** (UniversitiTeknologi MARA Kedah, Malaysia)	Quick Response Code: Medication Prescription
211	**Invited 2**	12:15 pm-12:30 pm	**MarcinPaprzycki** (Systems Research Institute Polish Academy of Sciences Warsaw, Poland); **Maria Ganzha** (Warsaw	Development of a neural network library for resource constrained speech synthesis

			University of Technology Warsaw, Poland); **SujeendranMenon&PawełZarzycki** (Smartl Life Systems Sp. z O.O. Warsaw, Poland)	
219	**1570694690**	12:30 pm – 12:45 pm	**Ms. Deepti** (Poornima College of Engineering, Jaipur), **Dr. Ajay Khunteta**(Poornima University, Jaipur)**, AjitNoonia**(Institute of Engineering and Technology, Chitkara University, Punjab, India)	An Efficient Two Stage Clustering Algorithm for Signed Social Networks
224	**1570694695**	12:45 pm – 1:00 pm	**Neeraj Kumar Verma, Sandeep Kumar, Mukesh Kumar** (Poornima University, Jaipur), **PRAFUL SAXENA,** (Senior Faculty, iNurture Education Pvt Ltd., TMU Moradabad, India3)	An Alternate Approach to Improve Access Time For Defining Frequent Item Set Through 'A-Apriori' In Textual Data Set
230	**1570694707**	1:00 pm – 1:15 pm	**AjitNoonia** (Chitkara University Institute of Engineering and Technology, Chitkara University, Punjab), **AlpanaDahiya**(MVJCE, Bangalore, India), **Ajay Khunteta,** (Poornima University, Jaipur)	A Hybrid Vehicular Network – Inter-Region & Intra-Region Communication
235	**1570693909**	1:15 pm – 1:30 pm	**Maged M. Eljazzar and Elsayed E. Hemayed** (Computer Engineering Dept., Faculty of Engineering, Cairo University, Giza 12613, Egypt)	Impact of Economic, Social and Meteorological Factors on Load Forecasting in Different Timeframes– A Survey

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Presentation Schedule
Technical Sessions
Track 2 - Electronics & Communication Engineering

Track Chair: Dr. GarimaMathur	Track Co-Chair: Dr. Ashok Kajla

Tuesday, Day 1: 1st December, 2020

Pg.No	ID	Time	Authors	Paper Title
Session IB: Wireless Communication & Networks (12:00 noon– 2:00 pm)				
Session Chair: Dr. MenkaYadav, ECE Dept., MNIT Jaipur **Rapporteur: Dr. Ashok Kajla**				
241	1570680535	12:00PM-12:15PM	**Aasif Bashir Dar, Faroze Ahmad** ,(Islamic University of Science & Technology, India)	Realization of Mach-Zehnder Modulator with Ultrahigh Extinction Ratio at Maximum Transmission Bias Point
245	1570680717	12:15PM-12:30PM	**BismaBukhari, GulamMohd Rather**, (National Institute of Technology, Srinagar, India)	Ground Plane Effects on the Performance of a Rectangular Microstrip Patch Antenna: A Study
250	1570681381	12:30PM-12:45PM	**Ambresh G. Biradar,**(M. S. Ramaiah University of Applied Sciences, Bangalore, India)	A Comparative Study on Routing Protocols: RIP, OSPF and EIGRP and Their Analysis Using GNS-3
255	1570682738	12:45PM-01:00PM	**Sathwic S and Saradeep M,**(Amrita VishwaVidyapeetham, India),ArpitaThakre(PES University)	Symbol Detection in Presence of Symbol Timing Offset Using Machine Learning Technique
261	1570682871	1:00PM-1:15PM	**Shubham Jain, Zaurez Ahmad, Mohammad SaadAlam, Yasser Rafat,**(Aligarh Muslim University, India)	Battery Swapping Technology
265	1570682887	1:15PM-1:30PM	**A K Gandharva, J CH L Ramoji, K P Akshay**(Amrita VishwaVidyapeetham, Bengaluru, India), ArpitaThakre, (PES University, Bengaluru, India)	Dual Mode OFDM-IM With Multiple Choice of Constellations
271	1570683223	1:30PM-1:45PM	**ZainabHussam Al-Araji,**(University of Baghdad, Iraq**), Nada Ali Swaikat**(University of Voronezh State Technical, Syria),**Valeria Korneeva**(Voronezh State Technical University, Russia),**Hassan ALI Souikat**(Voronezh State University, Russia),**AlevtinaSergeevnaSamofalova**, (Voronezh State Technical University, Russia)	The New Way of Estimating the PCB 's Lifetime of Fatigue Using the Principle of Linear Accumulated Damage in Various Boundary Condition

Pg.No	ID	Time	Authors	Paper
276	1570689026	1:45PM-2:00PM	**Kailash Chandra Bandhu,**(ShivajiraoKadam Institute of Technology and Management - Technical Campus, Indore, MP, India),**Ashok Bhansali,**(OP Jindal University, Raigarh, CG, India)	Comparison of Transmission Control Protocol Variants for Two Way Transfer and Propagation Model With WiMAX Network Bandwidth Asymmetry

Session II B: Digital Electronics(03:00 pm– 04:15 pm)

Session Chair: Dr. Aditya Pundir, ECE Dept. Arya COET, Jaipur
Rapporteur: Dr. AnilaDhingra

Pg.No	ID	Time	Authors	Paper
281	1570667817	03:00PM-03:15PM	**VidhatriGujela**, (HMFA Memorial Institute of Engineering & Technology, India), **Om Prakash Gujela,**(Bakhtiyarpur College of Engineering, Patna, India)	Multiple Module Manipulator with Control Strategy for Minimally Invasive Surgery
286	1570667822	03:15PM-03:30PM	**VidhatriGujela,**(HMFA Memorial Institute of Engineering & Technology, India), **Om Prakash Gujela,**(Bakhtiyarpur College of Engineering, Patna, India)	Emergence of Nanotchnology in Sensing and Actuation of Biorobotics
289	1570681631	03:30PM-03:45PM	**Debadrata Sarkar, Aman Arora &Shibendu Roy,**(National Institute of Technology Durgapur, India),**Sayantan Pal, Amit Kumar,**(CSIR-Central Mechanical Engineering Research Institute Durgapur, India)	Estimation of Transmission Force in Assistive Devices Using Conductive Liquid Metal Based Sensorized Pneumatic Artificial Muscle
294	1570682220	03:45PM-04:00PM	**PreetiSahu,**(Poornima University, India)	Comparative Analysis of Different Clock Gating Techniques
300	1570686116	04:00PM-04:15PM	**JeetKishorbhaiVora, JaineelPurani and Vipin Shukla,**(PanditDeendayal Petroleum University, India)	Design of Novel Time Monitored Touchless Operation Using 555 Timer for Automatic Dispenser

Session IIIB: VLSI, VHDL & Chip Level Design(04:30 pm– 06:00 pm)

Session Chair: Dr. Rajnish Sharma, Dear Research & Academics, Chitkara University, Punjab
Rapporteur: Mr. Durgesh Kumar

Pg.No	ID	Time	Authors	Paper
305	1570657915	04:30PM-04:45PM	**JasdeepDhanoa&Manibha Sharma,**(Indira Gandhi Delhi	Smart Logic Built in Self-Test in SOC
309	1570662928	04:45PM-05:00PM	**AditiChhabra&JasdeepDhanoa,**(Ind ira Gandhi Delhi Technical University	A Design Approach for MAC Unit Using Vedic Multiplier
314	1570687640	05:00 PM-05:15PM	**PriyanshiGoyal,**(University of Delhi, India),**Harsupreet Kaur,**(University of Delhi, South Campus, India)	Analytical Modeling and Design of Ga2O3 MOSFET

Pg.No	ID	Time	Authors	Paper
318	1570688044	05:15PM-05:30PM	**Swati Sharma,**(Guru Gobind Singh Indraprastha University, India)	Schottky Barrier Double Surrounding Gate MOSFET for High-Frequency Implementation
322	1570691686	05:30PM-05:4+5PM	**Payal Bansal, Devendra Kumar Somwanshi,**Poornima College of Engineering, Jaipur	Study of MSPA in Aspect of Design & Parameter With Three Different Substrate Materials
326	1570686180	05:45PM-06:00PM	**HimaniGoyal Sharma,**(Poornima College of Engineering) **Rina Sharma, (**I. K. Gujral Punjab Technical University, Jalandhar, Punjab**), Devendra Somwanshi** (Poornima College of Engineering, Jaipur)	A Comparison of Lifetime in WSN with Static and Mobile Sink

Wednesday, Day 2: 2nd December, 2020

Session IV B: Smart Antennas and Wave Propagation(08:00am– 09:30 am)

Session Chair: Dr. Sanjeev Yadav, ECE Dept., WCOE, Ajmer
Rapporteur: Dr. Anila Dhingra

Pg.No	ID	Time	Authors	Paper
331	1570682500	08:00AM-08:15AM	**PallavRawal,**(SKIT &Manipal University Jaipur, India), **SanyogRawat**, (Manipal University Jaipur)	A Bowtie Shaped Frequency Reconfigurable Microstrip Patch Antenna With Wide Coverage Area
335	1570683741	08:15AM-08:30AM	**DurgaSuryachandGopavajhula,**(NITK, Suratkal, India), **Sandeep Kumar**, (NITK, Karnataka, India),**V Narasimhadhan A**, (NITK, India)	Dual-Band Antipodal Vivaldi Antenna for Wireless Neural Monitoring Applications
339	1570683594	08:45AM-09:00AM	**DeepeshSahoo,** (PES University, India),**Abhishek Deshpande,**(PES University, India),**Sunita M S**(PES University, India)	Study of Different Adders Using Full Swing Gate Diffusion Input
343	1570688164	09:00AM-09:15AM	**Mahendra Singh, Durgesh Kumar**(Poornima College of Engineering, Jaipur)	Design and Analysis of Ultra High Speed 16 Channel Cascaded EDFA-DWDM Network With Post Dispersion Compensations Using Optimization of Fiber Bragg Grating

Session V B: Wireless Communication & Networks(09:30 am– 10:30 am)

Session Chair: Dr. Amit Singhal, ECE Dept. Bennett University, Noida
Rapporteur: Dr. Anila Dhingra

Pg.No	ID	Time	Authors	Paper
347	1570694059	09:30AM-09:45AM	**Shahbaz Akhtar**(Indian Institute of Technology Patna, India), **Jitendra Gupta** (Indian Institute of Technology, Patna, India), **Pramit	Heuristic-Based Cost-Efficient C-RAN Fronthaul Deployment Over TWDM-PON

Pg.No	ID	Time	Authors	Paper
			Biswas(Indian Institute of Technology Patna, India), **AneekAdhya**(Indian Institute of Technology Kharagpur, India)	
353	1570681696	09:45AM-10:00AM	**Kanchan Tiwari Swami** (RGPV Bhopal, India)	A Review of LiFi Technology
358	1570692193	10:00AM-10:15AM	**Gayathri Narayanan**(Amrita VishwaVidyapeetham-AMRITA University, India), **Anupam Pedapudi** (Amrita Vishwa Vidyapeetham Bengaluru, India), **Sai Teja Kurapati** (Amrita Vishwa Vidyapeetham Bengaluru, India), **Dhanesh G. Kurup** (Amrita University, Bengaluru Campus, India)	Performance Analysis of Sensor Communications for Agriculture Systems Using SDR Platform
364	1570689168	10:15AM-10:30AM	**Rami Mohaisen**(Jordan University of Science and Technology, Jordan),**Mamoun F. Al-Mistarihi**(Jordan University of Science and Technology, Jordan), **Khalid A. Darabkh**(The University of Jordan, Jordan)	Outage Probability Evaluation for Relay-Based DF Cooperative Diversity Systems with Multipath Fading Channels and Non-identical Interferers

Session VI B: Digital Signal Processing(12:30 pm– 01:30 pm)

Session Chair: Dr. Ashwini Kumar, ECE Dept. Amity University, Jaipur
Rapporteur: Mr. Durgesh Kumar

Pg.No	ID	Time	Authors	Paper
369	1570680957	12:30PM-12:45PM	**MadhavPrabhu,** (MEC, Oman)	A Comprehensive Survey on Implementation of Image Processing Algorithms Using FPGA
375	1570680992	12:45PM-01:00PM	**PushpaKoranga,** (BSDU, Jaipur)	A Review on Classification of Different Techniques of Image Dehazing
381	1570681725	01:00PM-01:15PM	**AtharvPaliwal**(New Delhi, India),**BhavikMohindroo and KritiSuneja,**(Delhi Technological University, India)	Hardware Design of Image Encryption and Decryption Using CORDIC Based Chaotic Generator
386	1570682710	01:15PM-01:30PM	**Ashish Sharma &SatyasaiJagannath Nanda,**(Malaviya National Institute of Technology Jaipur, India)	Timely Detection of Seismic Waves in Ground Motion Data Using Improved S-Transform
395	1570686195	01:30PM-01:45PM	**DevendraSomwanshi, KalpitJain,Dhananjay Kumar**(Poornima College of Engineering, Jaipur) ,	Optimal ParameterSelection for Multi Blade Granite Block Cutting Machine Ensuring High Production

Pg.No	ID	Time	Authors	Paper
			Session VII B: EMI and EMC Technology(04:30 pm– 06:00 pm)	
			Session Chair: Dr. Abhishek Sharma, ECE Dept. LNMIIT Jaipur **Rapporteur: Dr. Ashok Kajla**	
399	1570681672	04:30PM-04:45PM	**Mamta Sharma**, (Global Institute of Technology, India)**, Ajay Yadav, SarthakSinghal&Ritu Sharma** (Malaviya National Institute of Technology Jaipur, India)	Design and Simulation of Flexible Substrate Based Wearable Antenna for WBAN Applications
405	1570680778	04:45PM-05:00PM	**Shivangi Sharma&JasdeepDhanoa** (Indira Gandhi Delhi Technical University for Women, Delhi, India)	Analog Circuit Implementation of a Cortical Neuron
410	1570687745	05:00PM-05:15PM	**PreetiGoyal,**(MAIT Sec-22 Rohini Delhi, India)	Controlling Ambipolarity and Rising Ion in TFETs for Enhanced Reliability: A Review
416	1570694209	05:315M-5:30PM	**Anil singhparihar,** Department of Computer Science and Engineering,,Delhi Technological University, New Delhi, India	A Study on Image Matting Techniques
422	1570681628	05:30PM-05:45PM	**Aman Arora and Debadrata Sarkar** (National Institute of Technology Durgapur, India);**Sayantan Pal** (CSIR-Central Mechanical Engineering Research Institute, India); **Amit Kumar (**CSIR-Central Mechanical Engineering Research Institute Durgapur, India); **SoumenSen**(CSIR - Central Mechanical Engineering Research Institute, India); **Shibendu Roy** (National Institute of Technology Durgapur, India)	A Multi-technique Measurement and Estimation ofVolume for Pneumatic Artificial Muscle

Presentation Schedule
Technical Sessions
Track 3 - Electrical Engineering

Track Chair: Dr. VirendraSangtani	Track Co-Chair: Dr. Praveen Sonwane

Tuesday, Day 1: 1st December, 2020

Pg.No	ID	Time	Authors	Paper Title
Session IC: Integrated Conventional and Renewable Power Generation (12:00 Noon-02:00 PM)				
Session Chair:Dr. Gagandeep Kaur, E & IC Dept. Thapar University, Patiyala Rapporteur: Dr. Himani Goyal				
427	1570682774	12:00PM-12:15PM	**Saksham Agarwal ; Mohammad SaadAlam ;Yasser Rafat ; Mahdi ShafaatiShemami** (Aligarh Muslim University, India)	Data Analysis of Grid-Connected Solar Setup and Regression Based Predictive Models
432	1570682794	12:15PM-12:30PM	**Dr. Javed Khan Bhutto; Dr.Abdulwasa B. Barnawi; Mohammad Abdullah Mohammad Aldosari** (King Khalid University, Abha, KSA, India); **Dr.Sunil Kumar Gupta** (Poornima University Jaipur, India)	Integration of Solar Photovoltaic Systems to Grid Using Loss Sensitivity Factor Method for Improvement of Voltage Profile
436	1570682903	12:30PM-12:45PM	**Smriti Jain** (Reader SKIT M&G, India); **Ramesh Pachar** (SKIT, India); **LataGidwani** (Rajasthan Technical University, India)	Reliability Constrained Day Ahead Unit Commitment With Optimal Spinning Reserve Allocation for Solar Integrated Power System
442	1570684412	12:45PM-1:00PM	**Uma Yadav** (J C bose UST, YMCA,Faridabad, Haryana, India); **Dr.Anju Gupta** (J C bose UST, YMCA,Faridabad, Haryana, India)	Current Harmonic Mitigation in Grid Tied Solar Photovoltaic System via PRES
447	1570688086	01:00PM-1:15PM	**DikshaMurlidharKharat** (Government College Of Engineering, Aurangabad, India); **Prof. M.S. Morey** (Government College Of Engineering, Aurangabad, India)	Solar PV Fed Proposed Simple Boost Controlled Z-Source Inverter for Grid
452	1570688295	01:15PM-1:30PM	**AnushikaBandara** (Univetrsity of Moratuwa, Sri Lanka); **KTM UdayangaHemapala** (University of Moratuwa, Sri Lanka); **AkilaHerath** (University of Peradeniya, Sri Lanka)	Optimal Sizing and Economic Evaluation of a Photovoltaic Integrated Energy System - A Case Study for a Semi-Urban Area in Sri Lanka

Pg.No	ID	Time	Authors	Paper
458	**1570657695**	01:30PM-1:45PM	**BhuvneshRathor** (Student, Electrical Engineering, Rajasthan Technical University, Kota, Kota, India); **Gaurav Jain** (Assistant Professor, Electrical Engineering Poornima College of of Engineering, Jaipur, India); **Rajkumar Jain** (Assistant Professor, Elect. &Comm.Engg. Poornima College of Engineering, Jaipur, India**); PravinSonwane** Professor, Electrical Engineering Poornima College of of Engineering, Jaipur, India	Smart Modern AC Microgrid Monitoring System using Power Line Communication

Session IIC: Power Quality (03:00PM-04:00PM)

Session Chair:Dr. Pushpendra Singh, EE Dept. JKLU Jaipur
Rapporteur: Dr. Deepika Chauhan

Pg.No	ID	Time	Authors	Paper
463	**1570653220**	03.00PM-03.15PM	**DheerajVerma** (IIT, Jammu, India); **Anup Shukla** (IIT, Jammu, India); **Prerna Jain** (MNIT Jaipur, India)	COVID19: Impact on Indian Power Sector
469	**1570677374**	03:15PM-03:30PM	**Praful Vijay Nandankar; Prashant P. Bedekar; Prashantkumar V. Dhawas** (Electrical Engineering Department, Government College of Engineering Chandrapur, Chandrapur, India)	Variable Switching Frequency for Synchronous Buck Converter
475	**1570678291**	03:30PM-03:45PM	**AradhanaKhillo; SushreeSangitaPatnaik** (Department of Electrical Engineering, PMEC, Berhampur, India)	Performance Study of 6-Pulse HVDC-VSC Using Particle Swarm Optimization(PSO) Based Controller in d-q Reference Frame Under Transient AC Fault Conditions

Session IIIC: Power Quality (04:30PM-06:00PM)

Session Chair: Dr.RAVINDRA JOSHI | Project Head-MARAFIQ Smart Metering Project, Saudi Arabia
Rapporteur: Dr. Praveen Sonwane

Pg.No	ID	Time	Authors	Paper
481	**1570680988**	04:30PM-04:45PM	**Praful Vijay Nandankar; Prashant P. Bedekar; Prashantkumar V. Dhawas** (Electrical Engineering Department, Government College of Engineering Chandrapur, Chandrapur, India)	Efficient DC-DC Converter Using Variable Switching Frequency Digital Controller

Pg.No	ID	Time	Authors	Paper
487	1570681163	04:45PM-5:00PM	**Mahendra Kumar Gupta** (National Institute of Technology Jamshedpur, India); **NutanTomar** (Indian Institute of Technology Patna, India); **Dipa Sharma** (SDM Govt PG College Doiwala, Dehradun, India); **JuhiJaiswal** (Indian Institute of Technology Patna, India)	PD Observer Design for Descriptor Systems with Unknown Inputs: Application to Infinite Bus System
492	1570677524	05:00PM-05:15PM	**ShailendraKasera; RajlakshmiNayak** (Department of Mechanical Engineering, JK Lakshmipat University, India); **Shishir Chandra Bhaduri** (Dean, Faculty of RAC, Automotive, Electrical Skills, Bhartiya Skill Development University, Jaipur, India)	Energy Efficiency Analysis of Variable Speed DC Compressor Using R290

Wednesday, Day 2: 2ⁿᵈ December, 2020

Session IVC: Advances of Renewable Energy Sources & Electric Drives (08:00AM-09:30AM)

Session Chair: Dr. Nandkishore Gupta, Govt. COE Ajmer
Rapporteur: Dr. Himani Goyal

Pg.No	ID	Time	Authors	Paper
497	1570679056	08:00AM-08:15AM	**HarshitKargeti** (Department of Information & Technology, ABES Institute of Technology, Ghaziabad, UP-India); **ArpitBhushan Sharma** (Student Member IEEE, Department of Electrical & Electronics Engineering, KIET Group of Institutions, Ghaziabad, UP-India) ; **Brijesh Singh** (Senior Member IEEE, Department of Electrical & Electronics Engineering, KIET Group of Institutions, Ghaziabad, UP-India)	Performance evaluation of PV integrated DC-DC converter with load demand, irradiance, and temperature variations
502	1570681656	08:15AM-08:30AM	**Trisha Bora, Prateekee Chatterjee and Saradindu Ghosh** (National Institute of Technology, Durgapur, India)	Fuzzy Logic Based Control of Variable Wind Energy System
507	1570682759	08:30AM-08:45AM	**VaishaliShirsath** (Sandip University, India); **Rahul Agrawal** (Sandip University Nashik, India)	Optimization Through Wind Modeling by Means of Mechanical Design to Enhance Wind Power Generation and System Reliability

Session VC: Advances of Renewable Energy Sources & Electric Drives (09:30AM-10:30AM)

Session Chair: Dr. Subrata Mukhopadhyay **Rapporteur: Dr. Himani Goyal**

Pg.No	ID	Time	Authors	Paper
512	**1570688363**	09:30AM-09:45AM	**Ms. Rutuja Suresh Zargad** (M.Tech Student, Department of Electrical Engineering,Government College of Engineering, Aurangabad); **Prof. Meghraj S Morey** (Department of Electrical Engineering,Government College of Engineering, Aurangabad)	Standalone PV Based Vector Controlled Induction Motor Drive for Renewable Energy Application
517	**1570688651**	09:45AM-10:00AM	**VaishaliShirsath; Rahul Agrawal**(Department of Electrical and Electronics Engineering, Sandip University, Nashik, India)	A Review of Wind Station Data Modeling for Wind Turbine Reliability Enhancement to Optimize Wind Energy Considering Turbine Design
523	**1570684733**	10:00AM-10:15AM	**PoonamDhabai** (PES Modern College of Engineering, India); **Neeraj Tiwari** (Poornima University, Jaipur, India)	Computation of Locational Marginal Pricing in the Presence of Uncertainty of Solar Generation

Session VIC : Hybrid Electric Vehicles (12:30PM-01:30PM)

Session Chair: Dr. Kailash Sharma, EE Dept, NIT Jalandhar
Rapporteur: Dr. Deepika Chauhan

Pg.No	ID	Time	Authors	Paper
527	**1570681845**	12:30PM-12:45PM	**Karthika B.** (Department of Electrical Engineering, College of Engineering Trivandrum, Trivandrum, India); **V.R.Jisha**(Department of Electrical Engineering, Government Engineering College Thrissur, Thrissur, India)	Nonlinear Optimal Control of a Two Wheeled Self Balancing Robot
533	**1570682112**	12.45PM-01.00PM	**Ahmed WaquasUsmani** (Aligarh Muslim University, India); **Mohammad SaadAlam** (Aligrah Muslim University, India); **Yasser Rafat** (Aligarh Muslim University, India); **Ibrahim Al Saidan** (Qassim University, Saudi Arabia)	An IoT Based Solution to Avoid Venting in Lithium Ion Battery Due to Overcharging
538	**1570682623**	04:30PM-04:45PM	**Charu Singh** (Aligarh Muslim University, India); **Sanchari Deb** (VTT Technical Research Centre, Finland); **Mohammad SaadAlam** (Aligrah Muslim University, India); **Yasser Rafat** (Aligarh Muslim University, India)	Analytical Strategy for Deployment of EV Fast-Charging Stations
544	**1570682719**	04:45PM-05.00PM	**MohdJaved** (Aligarh Muslim University, India); **Sanchari Deb** (VIT Technical Research Centre, Espoo, Finland); **Mohammad SaadAlam**; **Dr. Yasser Rafat**; **Prof. Salman Hameed** (Aligarh Muslim University, India)	Impact of Vehicle to Grid on Power System

Pg.No	ID	Time	Authors	Paper
			Thursday, Day 3: 3rdDecember, 2020	
			Session VIIIC: Power System Stability and Control (11:30AM-1:30PM)	
			Session Chair: Dr. Rachana Garg, EE Dept., DTU, Delhi **Rapporteur: Dr. Himani Goyal**	
549	1570681559	11:30AM-11.45AM	**Suresh K. Jamure; P. Agnihotri** (Indian Institute of Technology Bhilai, India)	Determining the Inter-Area Modes of the Power System Network Using Circuit Analogy
554	1570682751	11:45AM-12.00PM	**PravinSonwane, EED** (Poornima COE, EED,PCE,Jaipur, India); **VaishaliShirsath**(EED, Sandip University, Nashik, India); **Himani Sharma**(EED, Poornima COE, Jaipur, India); **Gaurav Jain**(EED, Poornima COE, Jaipur, India)	Failure Analysis of 30 Bus System by Capacitor Sizing and Placement
560	1570682924	12:00PM-12.15PM	**Komal Sharma** (SKIT M&G Jaipur, India); **Sarfaraz Nawaz** (SKIT M&G Jaipur, India)	Allocation of DG Units in Distribution System to Minimize Reactive Power Loss
565	1570688062	12:15PM-12.30PM	**MaanviBhatnagar** (National Institute of Technology Raipur, India); **AnamikaYadav** (National Institute of Technology, Raipur Raipur, India)	Fault Detection and Classification in Transmission Line Using Fuzzy Inference System
571	1570694680	12.30PM--12.45 PM	**Arpita Singh , Ashish Raj , Dr. Manoj Gupta, Mohammed Sayeeduddin Habeeb , Dr. Sunil Kumar Gupta,** 1-2 Assistant Professor, Department of Electrical and Electronics Engineering, Poornima University, Jaipur, Rajasthan, India 3,5 Professor, Department of Electrical and Electronics Engineering, Poornima University, Jaipur, Rajasthan, India 4 Lecturer, Department of Electrical Engineering, college of Engineering, King Khalid University, Abha, KSA	TWDM-PON: The Enhanced PON for Triple Play Services
576	1570694770	12.45 PM-01:00PM	**PushpendraPratap Singh1 , Ashish Raj2 , Dr. M Ram Kumar Raja3 , Mohammed abdul muqeet4** 1M.Tech (Scholar), Department of Electrical and Electronics Engineering, Poornima University, Jaipur, Rajasthan, India 2Assistant Professor, Department of Electrical and Electronics Engineering, Poornima University, Jaipur, Rajasthan, India 3 Associate Professor, Department of Electrical Engineering, college of Engineering, King Khalid University, Abha, KSA 4 lecturer, Department of Electrical Engineering, college of Engineering, King Khalid University, Abha, KSA	Interfacing Problems of Programmable Logic Controller In Hardware Replacement