

Session wise list of papers for Oral Presentation

S. No.	Area	Authors	Title
1	A1: Artificial Intelligence	Dharna Satsangi, Kamal Srivastava, Gursaran	A Memetic Algorithm for the Pagenumber Minimization Problem
2		Manpreet Kaur, Sanjay Saini	Solutions to University Timetabling Problem: A Review
3		Soniya,Sandeep Paul, Lotika Singh	A Hybrid Evolutionary Approach with Dissimilarity based Bit-Flip Operation for Filter Estimation in Convolutional Neural Networks
4		Swati jain,Amit Kumar	Face Recognition using Compounded Local Binary Pattern (CLBP) Feature Descriptor with Support Vector Machine (SVM) and Neural Network
5		V Prem Prakash, C. Patvardhan, A Srivastav	Novel fast and effective heuristics for the Euclidean Leaf-constrained Minimum Spanning Tree Problem
6		Yogita Singh Kardam, Kamal Srivastava	Comparison of Construction Heuristics for Feedback Vertex Set Problem
7	B1- Renewable Energy - I	Akash Singh Chaudhary, D.K.Chaturvedi, Isha	Detecting Maximum Temperature in Bird and Cement Deposits on Surface of Solar Panels with Thermal Image Processing for Solar Panel Performance
8		Akash Singh Chaudhary, D.K.Chaturvedi, Mayank Pratap Singh	A Novel Technique for Transmitting Solar Photovoltaic Panel Data using QR Code for Better Visualization
9		Gulnar Perveen, M. Rizwan, Nidhi Goel	Correlations for forecasting Global Solar Radiation using Meteorological Parameters
10		Salil Sharma, Vijay Kumar Tayal	Power Output of DFIG Wind Turbines and Frequency Regulation of a Linearized Model
11		Uzair Malik, MajidJamil, Anirudh Dube	MPPT Techniques for Partially Shaded Solar PV System
12		Zainul Abdin Jaffery, Ibraheem , Mukesh Kumar Varma	Broadband power line communication: Solution for the next generation access network

14	C1: Consciousness	B.V.S. Bhanusree	Pratitya Samutpada: It's Contribution To Philosophy
13		D.K.Chaturvedi, Sumit Chauhan, Navneet Arora, Rohit Rastogi	Framework for Use of Machine Intelligence on Clinical Psychology to study the effects of Spiritual tools on Human Behavior and Psychic Challenges
15		Malvika Gupta	Moral Conscience and Artificial Intelligence
16		M Kalanathan	Consciousness / Wisdom / Intuition-Based System
17		Ravindra Bhardwaj, Jyoti Kumar Arora	Psycho-Physiological Study on University students based on Ethical Life-Style to Enhance the level of Consciousness through Yoga and Meditation
18		Richa, D.K. Chaturvedi, Soam Prakash	Bovine Energy Field: A Novel and Non-Invasive Approach to Assess Wellness
19	A2: Humanities	Gur Pyari Jandial	Conscious Machines and Super Conscious Humans: A Systemic Study of the Matrix, Plato's Allegory of the Cave and the Concept of Maya in the Religion of Saints
20		Gurpyari Bhatnagar, Pranay Bhatnagar	Representation of AI in Sci-fi Films
21		Mahak Mittal, Shivangi Verma, Jyotraditya Pundhir, Ravindra Bharadwaj	Impact of Digitalization in Education: Great Change in Teaching-Learning
22		Naina Agarwal, Renu Joshan	A Systems Analysis of the Selected Novels of Paulo Coelho
23		Nimisha Goyal, Niharika Solanki, Radhika Pachauri, V. Hansini, Anushree Jain	A Study of Volume Spread Analysis of Stocks of Nifty 50 (With Special Reference to Information Technology Sector)
24		Tarun Nagdev, Pallavi Sharma, Massum Verma, Ravindra Bharadwaj	Meditation as tool for efficient Human performance

25	B2 - Machines and Power Systems	Arunesh Kumar Singh, Abhinav Saxena	Sensor Less Fault Analysis Of Doubly Fed Induction Motor(DFIM)
26		Arunesh Kumar Singh, Ibraheem Nasiruddin, Amit Kumar Sharma	Modeling and Simulation of a Novel Eddy Current Braking System
27		Barnadipti Debnath, Vijay Kumar Tayal	Effect of Selection of Weighting Functions on the Robust Control of DC Motor
28		N.K.Garg, D.K.Palwalia	Transmission Pricing for Restructured Power System
29		Ram Naresh Mishra, D. K. Chaturvedi	Current Scenario of Electricity Sector in India and Restructuring
30		V.Srinath, Manmohan Agarwal, D.K.Chaturvedi	A New Three-phase Three-level PWM Inverter Fed Induction Motor and Transformer
31	C2 - Soft computing	Diksha Nagpal, Ajeet Gaur, Ajitabh Tiwari	Comparison of Software Testing Tools used in Embedded System Software development
33		Mahima Satsangi, Mahima Yadav, PS Sudhish	License Plate Recognition
34		Rashmi Bhardwaj, Aashima Bangia	Wavelet-Neuro-Fuzzy Modeling of National Stock Exchange during Demonetization
35		Sarika Singh, C Vasantha Laxmi, C Patvardhan	Machine Intelligence Approaches for many font telugu OCR
36		Shihabudheen KV, Thomas Joseph, Biju G M	Performance analysis of Extreme learning adaptive neuro-fuzzy inference system (ELANFIS)
32		Vaibhav Mishra, D.K. Chaturvedi, Navneet Arora, Piyush Trivedi, Rohit Rastogi	Swarm Intelligent Optimized Method of Development of Noble Life in the perspective of Indian Scientific Philosophy and Psychology
37	A3 - Education and Super intelligence	Akula Chandramouli	Changing Role and Profile of Education (System)
38		Anjali Nigam, Ajit Nigam	Systems Approach for Enhancing Effectiveness of Primary Education – A Case Study of Rajaborari Primary Schools
39		Ashish Dixit	Out Come Based Education System: An Experimental Approach for The Development Of An Effective System For Technical Education in India
40		Jyoti Gogia, Resham Chopra	Conscious Evolution of Superhuman in Transcendental Environment: A Systems

			Approach
41		Karan Narain, Anoop Srivastava, Sanjeev Swami	Evolution of Super-intelligence and the Problem of Control
42	B3 - Smart cities	Ankur Ashok, Nimit Kaura , Arrohi Bhatnagar	Decoding Smart Cities - The Systems Way
43		Ankit Yadav, Parman Josan, G.S. Sailesh Babu	Unmanned Package Delivery System
44		Atul Prakash Prajapati, Ashish chandiok, D.K.Chaturvedi	Machine Learning based Cognitive Decision Making in the Area of Smart City
45		Arati Swaroop	Ethical Value System for Good Governance
46		Charan Pratap Singh, Uday Pratap Singh	A Near field communication(NFC)
47		Hemant Goyal, Ravindra Bharadwaj, Ankit Agarwal	Electric Flying Drone: Future of Transport
48	C3 - Quantum and Nano Systems	G. Manikanta, Ashish Mani, H. P. Singh, D. K. Chaturvedi	DG and Capacitor Placement in Distribution system considering Economic Benefits using Adaptive Quantum inspired Evolutionary Algorithm
49		Hari Har Parshad Cohly, Bharat Agrawal	Water Purification: Specific spectrum of light + Al + Cu nanoparticles
50		Monika Yadav, Surendra P. Gupta, Soami P. Satsangi and Surat Kumar	Spectroscopic and Electrochemical Studies of Vinblastine (VLB) with yeast-RNA (y-RNA) and transfer-RNA (t-RNA)
51		Nirat Ray	Cavity Optomechanics: Reaching the quantum ground state of a mechanical oscillator
52		SNL Sirisha, Sonali Bhatnagar	Carbon-Ion therapy in the Geant4 Binary Light Ion Cascade Model
53		Sonal Sahai, Vibha R Satsangi, Sahab Dass, Rohit Shrivastav	CdS/ZnS Quantum Dots for Efficient Generation of Hydrogen using Solar Energy

54	A4 - Renewable Energy - II	Ashi Ikram, Sahab Dass, Rohit Shrivastav, Vibha R. Satsangia	Visible Light Triggered Quantum Dots for Solar Energy Conversion
55		Ashok Yadav, Manoj Dixit, Deepak	A Comprehensive Review of Solar Collection/Storage Thermal System
56		Isha, D.K.Chaturvedi, Akash Singh Chaudhary	Comparison of GNN based Solar Power Forecasting with and without Clouds
57		Kedri Janardhana, D Bhagwan Das, A K Saxena, K Pritam Satsangi	A Review on current trends in Modelling, Simulation and Validation of Solar Photovoltaic Power Plants
58		K. Pritam Satsangi, D. Bhagwan Das, A.K. Saxena	Annual Performance Of Grid Connected Photovoltaic Plant With Battery Storage
59		K Pritam Satsangi, V Prem Prakash and C Radha Charan	Effective junction box placement in Solar Photovoltaic
60	B4 - Environment and Health	Amla Chopra, Vineeta Mathur, Sandeep Paul	Transcendental Meditation Affects Immune System that Correlates with Human Performance
61		Anjoo Bhatnagar, D.K. Chaturvedi	Cry Activity Detector to Study Pain Relief in Infants and children
62		Anurag Verma, D.K. Chaturvedi, B.K. Panigrahi	Exploring Various Techniques for Automatic Detection of Epilepsy: A Review
63		Awni Agarwal, Ankita Mangal, Anita Lakhani, K. Maharaj Kumari	Air Quality Index and Chemical Characterization of PM _{2.5} at a suburban site of north central India
64		Rashmi Bhardwaj, Dimple Pruthi	Approximations and Details of Ozone Signal
65		Simranjeet Sindhu, Neetu Mittal	Detection and Management Of Fungal Skin Infections Using Medical Imaging
66	C4 - Control	Harsh Shukla, Mudit Goswami, Mradul Singh, Saumya Agarwal, Laxmidhar Behera	Real Time State Estimation with Non Linear Kalman Filter Algorithm
67		Nitin Sharma, Nidhi Singh Pal, M.A. Ansari	Application of Genetic Algorithm for Controller
68		Shahida Khatoon, Himanshu Chaudhary, Ravindra Singh, Ashish Pandey	Analysis and Design of Fast Steering Mirrors in Fine Pointing System Applications
69		Shahida Khatoon, Reshma Ehtesham, Ahmar Khan	Comparison of Interpolation Method

70		Shihabudheen KV, Thomas Joseph	Extreme Learning ANFIS Control of a Flexible Link Manipulator
71		Shradha Kishore, Vijaya Laxmi, D. K. Chaturvedi	Performance Evaluation of Maglev System with Different Controller Configurations
72	A5 -Waste Management	Dinesh Sah, Puneet Kumar Verma, K.Maharaj Kumari, Anita Lakhani	Heavy Metal Fractionation of Fine Particulate Matter through Sequential Extraction Procedure: Bioavailability and Health Risk Assessment
73		Dolly Kumari, Pooja Chahar, Radhika Singh	Coupled Green Pretreatment of Petha Waste Water And Rice Straw
74		Pooja Chahar, Dolly Kumari, ShipraVerma, Radhika Singh	Effect of Microwave Pretreatment on Biohydrogen Production by Dark Fermentation of Dairy Waste Water
75		Ravindra Bhardwaja, A.K.Saxena, G.S. Sailesh Babu	To Study the Effect on generation of Biogas from Kitchen Waste & Cow dung An Experimental Analysis
76		Sachin Saxena, V. Soamidas, Anand Mohan	Hydro geophysical studies and water analysis for river bank filtration system on the banks of river Yamuna at Dayalbagh, Agra
77		Shikha Verma	Bioremediation of non-biodegradable water pollutants (dyes) by biodegradable waste (pine saw dust)
78	B5 - Smart Systems	Amrita Punnavajhala	Modified Newton-Raphson Methods for Solution of an Implicit Energy Equation
79		Charan Pratap Singh, Uday Pratap Singh	Smart Attendance using Face Recognition
80		Chhavi Verma, Prem Sewak Sudhish	Fingerprint Based Child Identification
81		Kajal Garg, Sonali Bhatnagar	The differential and integral momentum spectrum of muons simulated using General Particle Source
82		Mohd. Ayub Khan, Raj Kumar Thenua, Rajansh Sinha	Tablet Identification Using Acoustic Resonance Spectroscopy
83		Shivani Pandey, Prem SewakSudhish	Deep Face for Child Identity

84	C5 - Defense and Industrial System	Amit Yadav, D.K.Chaturvedi	Design and Development of an Automatic Ground Vehicle for Industrial application of LabView
85		Ashima Gupta, Sanjay saini	An Enhanced Ant Colony Optimization Algorithm for Capacitated Vehicle Routing Problem
86		Gaurav Singh, Rahul Caprihan	A Simulation Study of the POLCA Production Control System
87		Kuwar Mausam, Kamal Sharma	Comparative Experimental Investigation of Properties of Kevlar composites and E-glass Reinforced Kevlar Fiber Hybrid composites suitable for making component of Wing Box in Aerospace Industry
88		Puneet Satsangi, Pavitra Satsangi	Robotic Process Automation (RPA): the Age of Digital Workforce in the Financial Services Industry
89	D5	Vipin Sharma	Evolution of Unmanned Combat Aerial Systems (UCAS) as Intelligent machines: Third revolution in warfare
90		Priyanka Chaudhary, M. Rizwan	Design and Development of Controller for Solar PV and Storage based Micro grid
91		Muhammad Waleed Arshad, Kunwar Aditya and V.K. Sood	Comparison of Rectifier Based Power Supplies for Heating Application