

<b>Session TS1</b>		
Date:02.12.2019, Time: 09:30 AM – 11:00 AM		
Venue: Chandrasekhar Hall, Department of Electrical Engineering		
<b>Paper ID</b>	<b>Authors</b>	<b>Paper Title</b>
<b>22</b>	Vinay Kumar Singh, Shashank Singh and Aman Srivastava	Effect of High Temperature on Self Compacting Hybrid Fibre Reinforced Concrete
<b>23</b>	Bharat Bhushan Mishra, Ravi Kumar and Ajay Kumar	Uni-axial compression study of laminated composite rhombic laminates using ANN
<b>26</b>	Tarun Raj Singh and Prithvi Pati	Experimental Study on The Effect of Partial Replacement of Cement by Rice Husk Ash on Fire Resistance of Cellular Light Concrete Block
<b>27</b>	Tarun Raj Singh and Prithvi Pati	Development of Cellular Light Weight Concrete by Partial Replacement of Cement by Rice Husk Ash
<b>28</b>	Vinay Kumar Singh, Nitesh Gupta and Utkarsh	Experimental study on papercrete brick using paper pulp and paper powder
<b>85</b>	Mohammad Rashid and Madan Chandra Maurya	Functionally Graded Materials: A Review
<b>88</b>	Kaptan Singh, Govind Pandey and Rajesh Singh	Carcinogenic trace metals in ground water of Bathinda district, punjab, india
<b>94</b>	Hrutvik Sharma, Prof. Krupesh A.Chauhan, Prof. Govind Pandey and Vinay Kumar Singh	Landfill site selection based on MCDA (multi-criteria decision analysis, using GIS overlay analysis combined with AHP, A case study of Surat city
<b>120</b>	Manish Rishi, Tejaswi Sachwani, Prof. Ajay Kumar Saxena and Prashant Maharishi	Optimisation of cancer treatment using nanotechnology
<b>Session TS2</b>		
Date:02.12.2019, Time: 09:30 AM – 11:00 AM		
Venue: Vikram Sarabhai Hall, Department of Mechanical Engineering		
<b>Paper ID</b>	<b>Authors</b>	<b>Paper Title</b>
<b>2</b>	Bindeshwar Singh, S N Singh, Prabhakar Tiwari, Avinash Kumar and Arvind Pratap	A Review on Coordinated Control of Different Types of DGs in Distribution Networks
<b>3</b>	Bindeshwar Singh, J. P. Pandey and Rajesh Kumar	A Comprehensive Survey on Enhancement of Voltage Stability by using Different FACTS Controllers Planning in Power Systems
<b>5</b>	Amarjeet Kaur, Dr Lakhwinder Singh and Dr Jaspreet Singh Dhillon	Krill Herd Algorithm to Solve Non-convex Economic Dispatch
<b>6</b>	Bindeshwar Singh, Rajnish Gupta and Prabhakar Tiwari	Enhancement of power system performances by optimally placed FACTS controllers in distribution systems: A taxonomical review
<b>10</b>	Bindeshwar Singh, Rajnish Gupta and Prabhakar Tiwari	Double Duty Technique based High-gain Non-Isolated DC-DC Converter for Renewable Energy Applications
<b>18</b>	Narendra Yadava and Rajeev Kumar Chauhan	The Journey of Semiconductor Materials usage from Narrow to Ultra-wide band for MOS Devices

<b>29</b>	Aniket Raj, Utkarsh Gupta, Prabhakar Tiwari and Asheesh K Singh	Market Power Analysis of the Indian Power Market
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### Session TS3

Date:02.12.2019, Time: 09:30 AM – 11:00 AM

Venue: Vivekanand Hall, Department of Electronics & Communication Engineering

<b>Paper ID</b>	<b>Authors</b>	<b>Paper Title</b>
<b>7</b>	Rajneesh Kumar Singh, Swati Gangwar, D.K. Singh and Shadab Ahmed	Multi-Objective Optimization of Magnetic Abrasive finishing by Desirability Function with Genetic Algorithm
<b>8</b>	Jogendra Kumar, Prakhar Kumar Kharwar and Rajesh Kumar Verma	WPCA-Taguchi based hybrid Optimization Approach in Machining of Graphite Composites
<b>9</b>	Sukriti Yadav and Swati Gangwar	Long-term Solubility and Sorption Characteristics of Novel Dental Restoratives
<b>19</b>	Dheerendra Singh, Manish Kumar and Veerendra Singh	Thermal Evaluation of Parabolic Concentrating Solar Cooker Using Different Types of Cooking Vessel
<b>20</b>	Ranjeet Kumar Singh and Dr. Swati Gangwar	A Critical Assessment of Biomaterials for Hip Joint Replacement
<b>24</b>	Kriti Srivastava and Prashant Saini	Performance evaluation of solar driven water purification system
<b>33</b>	Ashok Kumar Singh, Vijay Kumar Dwivedi, N Kumar and Desh Bandhu Singh	Comparative Performance Analyses Depending on Energy Matrices and Enviroeconomics of Solar Decontamination Systems
<b>38</b>	Saumya Singh and Dr. Jeeoot Singh	Solid Waste Management in India:A Review

### Session TS4

Date:02.12.2019, Time: 09:30 AM – 11:00 AM

Venue: Seminar Room, Department of Electrical Engineering

<b>Paper ID</b>	<b>Authors</b>	<b>Paper Title</b>
<b>34</b>	Dishani Mishra and Brijesh Pandey	Dependence of melting temperature on the size of nanosolids
<b>35</b>	Huda Fatma and Brijesh Pandey	A brief study on Young's modulus of FCC structured nanofilms
<b>47</b>	Jyoti Singh, Sarvesh Kumar Gupta, Abhishek Kumar Gupta and Vinay Shukla	Computational Studies on PVDF-HFP/Li-salt Composite Electrolyte for Lithium-ion Batteries
<b>62</b>	Ashish Kumar Singh and Anindya Bhar	Static Response of Isotropic and Laminated composite plates: an isogeometric finite element analysis approach
<b>63</b>	Sadanand, Shambhavi Rai, Sachin Singh, Parvin Kumar Singh and D.K. Dwivedi	Modelling of CZTSSe solar cell for the improvement of performance using back surface field
<b>66</b>	Ashutosh Singh, A. K. Upadhyay and K. K. Shukla	Low-Velocity Impact Analysis and Energy Absorption Behaviour of Corrugated Core Sandwich
<b>67</b>	Richa Chauhan and Anindya Bhar	Static Energy Absorption capacity of Grid Stiffened Composite Plates
<b>73</b>	Sangharsh Kumar Singh, Ashutosh Kumar Upadhyay and Ramesh Pandey	A Numerical investigation of collapse behavior and energy absorption of thin walled grooved tube with variation of groove depth

<b>75</b>	Pooja Gupta, Pooja Lohia and D. K. Dwivedi	Phase Change Memory: Operation, Current Challenges and Future Prospects
<b>114</b>	Rishabh Raj Jaiswal, Amul Kumar Srivastav, Abhishek Kumar Gupta, Sarvesh Kumar Gupta and Ramesh Kumar Arya	Theoretical Study of Self-discharge behavior of Supercapacitor using MatLab
<b>141</b>	Lok Bahadur Baral, Jeevan Jyoti Nakarmi, Khem N. Poudyal, Visho Prasanna Amatya, Hari B. Dura and Dimitrios Nalmpantis	Efficient and Environment Friendly CASWAT-G Surface Ropeway Useful for Mountainous Countries

### **Session TS5**

Date:02.12.2019, Time: 02:30 PM – 04:00 PM

Venue: Chandrasekhar Hall, Department of Electrical Engineering

<b>Paper ID</b>	<b>Authors</b>	<b>Paper Title</b>
<b>111</b>	Kavita Gupta, Dr. Sudhanshu Verma and Saurabh Singh	A Compact Monopole Micro Strip Patch Antenna for ISM Application
<b>116</b>	Aayush Tripathi, Vinay Yadav and Kunwar Singh	Performance Comparison between Single Solution and Population based Heuristics for Optimal Gate Sizing of CMOS Digital Integrated Circuits.
<b>123</b>	Mohammad Abu Sayed	Autonomous Industrial Ambient Robotic System
<b>127</b>	Gourav Suman, Suman Yadav and Om Prakash Roy	HOMER Based Optimal Sizing of a PV/Diesel/Battery Hybrid System for a Laboratory Facility
<b>128</b>	Suman Yadav, Gourav Kumar Suman and Ram Krishna Mehta	Study of Electromagnetic Forces on High Voltage Winding of Power Transformer During Short Circuit Fault
<b>136</b>	Praveen Kumar Mishra and Prabhakar Tiwari	Incremental Conductance MPPT in Grid Connected PV system

### **Session TS6**

Date:02.12.2019, Time: 02:30 PM – 04:00 PM

Venue: Vikram Sarabhai Hall, Department of Mechanical Engineering

<b>Paper ID</b>	<b>Authors</b>	<b>Paper Title</b>
<b>40</b>	Shivangi Mani, Narendra Yadava and R.K. Chauhan	Ultra Bright Blue LED Design using Gallium Oxide
<b>41</b>	Piyush Patel, Dr. Prabhakar Tiwari and Dr. Rakesh Maurya	Mathematical Modeling of Photovoltaic Cell using MATLAB/SIMULINK
<b>42</b>	Ritika Saxena and Nitin Anand Shrivastava	Multi-objective Approaches for Stand-alone Hybrid Renewable Energy System (SHRES)
<b>45</b>	Anil Kumar, Suneel Kumar and Mayank Kumar	Comparative Analysis of various Modulation Index applied to Cascaded MLI using Selective Harmonic Elimination Technique
<b>51</b>	Garima Verma and Shiva Prakash	Energy Saving Mechanisms Based on Green Internet of Things (IoT) for Efficient Energy Management
<b>56</b>	Akansha Agarwal and Imran Khan	Energy management with “renewable energy” integrated to “FACTS controllers”

### **Session TS7**

Date:02.12.2019, Time: 02:30 PM – 04:00 PM

Venue: Vivekanand Hall, Department of Electronics & Communication Engineering		
Paper ID	Authors	Paper Title
53	Prashant Saini, Jeeoot Singh and Jahar Sarkar	Energy and Exergy Analysis of U-Tube Type Evacuated Tubular Collector
55	Rahul Kumar, Achchhe Lal, B.N. Singh and Jeeoot Singh	Bending response of elastically supported FGM plate using MQ-RBF method under patch load
59	Ram Bilas Prasad, Jeeoot Singh and K. K. Shukla	Stress analysis of adult human femur bone using finite element method
69	Achchhe Lal, Bharatkumar M Sutaria and Rahul Kumar	Stress concentration factor response of laminated composite sandwich plate with elliptical notches
71	Achchhe Lal, Kunadan Mishra and Kanif Markad	Stochastic single edge crack FGMs plates subjected to uniaxial tensile loading using XFEM
76	Roopa Singh, D. K. Singh and Jeeoot Singh	A review on effect of tool geometries and electrolyte behaviour on machinability of ECSM
77	Amarjeet Kumar Prasad, Sanjay and Laxmikant Yadav	A review on solar assisted liquid desiccant cooling system
78	Abhinav Yadav, Md Saifullah Khalid, Laxmikant Yadav, Ankit Kumar and Prashant Saini	Improvement of solar still productivity by using PCM and other enhancement technique- A Review
122	Tushar Sharma, V. Murari and K.K. Shukla	Static Analysis of Wind Turbine Blade using 1D FE Model

### Session TS8

Date:02.12.2019, Time: 02:30 PM – 04:00 PM

Venue: Seminar Room, Department of Electrical Engineering

Paper ID	Authors	Paper Title
12	Anamica Mishra and Poorn Prakash Pande	A mini review on Different Techniques of Controlled/ “Living” Radical Polymerization
17	Ratnesh Kumar Patel, Navneet Mishra, Dr. Ravi Shankar and Dr.Prateek Khare	Organics removal & electricity production by microbial fuel cell: Modelling approach
21	Amit Kumar Chaurasia, P Mondal, Vinod Yadav and Ravi Shanker	Biogas production through anaerobic digestion of fruit, food and vegetable waste (FFVW) using mesophilic microorganisms: Effect of pre-treatment methods
30	Vitthal Gole, Aditya Gupta and Maharshi Yadav	Heterogeneous Catalyzed FAME Synthesis from Renewable Feedstock
36	Amar Nath, Anamica Mishra and P.P. Pande	Materials Used for Coagulation and Flocculation in Wastewater Treatment
37	Pradeep Kumar, Dhananjay Singh and Ashok Khanna	Reactive Extration Kinetics of Metal ions through supercritical CO <sub>2</sub>

### Session TS9

Date:02.12.2019, Time: 04:15 PM – 05:30 PM

Venue: Chandrasekhar Hall, Department of Electrical Engineering

Paper ID	Authors	Paper Title
98	Plabita Sharma and Ravin Tailor	Revitalization of Uzanbazar Local Area, Guwahati, Assam

<b>100</b>	Ankit Singh and Govind Pandey	Correlation between Volumetric Loading Rate and Removal Efficiency of Bio-Chemical Oxygen Demand and Chemical Oxygen Demand for Waste Water Treatment by Improved Bio-Tower Technology in Ganga River Basin (India)
<b>101</b>	Prashitha C, Krupesh A. Chauhan, Govind Pandey and Vinay Kumar Singh	Potential for Urban Planning System during Mega Events: A Case Study of Metro City
<b>103</b>	Madan Chandra Maurya and Dinesh Kumar Malviya	Recycled C&D Waste- An Energy Efficient and Sustainable Construction Material
<b>105</b>	Tobby Michael Agwe, S. N. Sharma and Govind Pandey	Analysis of Leaching Rate of Heavy Metals from Fly Ash at Varying Leachant pH and Cumulative Liquid to Solid Ratios of Dry Mass of Fly Ash Sample

### Session TS10

Date:02.12.2019, Time: 04:15 PM – 05:30 PM

Venue: Vikram Sarabhai Hall, Department of Mechanical Engineering

<b>Paper ID</b>	<b>Authors</b>	<b>Paper Title</b>
<b>60</b>	Puneet Srivastava, A.N. Tiwari and S. N. Singh	Smoothing of Wind Power Fluctuation in Direct-Drive PMSG Based WECS with Blade-Pitch-Angle Control
<b>61</b>	Puneet Srivastava, A.N. Tiwari and S. N. Singh	Low Voltage Ride-Through Achievement in PMSG based Wind Turbine with Braking Chopper
<b>65</b>	Amit Singh, Chandravilash Rai, Shekhar Yadav and Sanjai Singh	Comparison of Electrical Properties of Different Ferroelectric Structures for Non-Volatile Memory Applications
<b>68</b>	Pankhuri Kishore, Stuti Shukla Datta and Seethalekshmi K	Statistical Assessment of Particle Swarm Based Optimization Technique applied to Power System State Estimation Considering Missing and Infringed Data
<b>74</b>	Phanendra Babu N V and Suresh Babu P	Optimal PMU Placement Strategies -A Literature Review
<b>82</b>	Priyanka Jaiswal, Pravin Kumar Singh, Pooja Lohia and D.K. Dwivedi	Investigation of impedance behavior and electrical modulus of CNT added Cu-Se-Te-In chalcogenide glassy composite

### Session TS11

Date:02.12.2019, Time: 04:15 PM – 05:30 PM

Venue: Vivekanand Hall, Department of Electronics & Communication Engineering

<b>Paper ID</b>	<b>Authors</b>	<b>Paper Title</b>
<b>14</b>	Amandeep Singh Ghatora, Nadhim Garg, Kuldeep Singh and Baljeet Singh	Effect on CT ratio & Circuit Breaker Rating Due to Nearby New Generating Station
<b>25</b>	Anupma Thakur, Tavishi Chopra, R.K. Sinha, Praveen Kumar and Pooja D.	Monitoring Organic Waste derived Carbon Nanolights and their Plasmonic Nanostructures as Feedstock to Sustainable Energy & Environmental Pollutant
<b>46</b>	Tushar Thareja, Ankit Mani Tripathi, Mimank Sura, Varun Relan and Ashish Dua	Simulation and Implementation of Solar Powered Electric Vehicle

<b>92</b>	Pragya Verma, Bhagyashri Sisode and Krupesh Chauhan	Green Campus Rating Through Conceptual Perception Based on IGBC Guidelines
<b>93</b>	Pragya Verma, Krupesh Chauhan, Govind Pandey and Vinay Singh	Impact of Riverfront Development on Urban Spaces, a Study of Metro City
<b>95</b>	Hrutvik Sharma, Prof. (Dr.) Krupesh.A.Chauhan, Prof. (Dr.) Govind Pandey, Er. Vinay Kumar Singh	Urban landscape quality index: a review on methodology adopted for assessment and its impact on local environment
<b>99</b>	Plabita Sharma and Ravin Tailor	Value Capture Mechanism For Funding Urban Infrastructure
<b>112</b>	Himanshu Bhardwaj, Pragya Verma, Krupesh A. Chauhan and Vinay Kumar Singh	Reassessment of definitions and design strategies for Net Zero Energy Buildings: A Study
<b>125</b>	Saroj Yadav and Prof. K.D. S. Yadav	Ecofriendly methodology for stereoselective hydroxylation of alkylbenzenes at non-activated C-H bond
<b>129</b>	Sonam, Rohit Kushwaha, Shiva Shankar Y, Govind Pandey, S. P. Shukla and Devendra Mohan	Pollution due to Opium Alkaloids and Removal from Water: An overview
<b>132</b>	Km Shabnam Siddiki and Satya Pal Singh	Reinforcement of Clay Material Doped With Metal Oxide Nanomaterial
<b>139</b>	Anju Tiwari, Ankit Kumar Tripathi and Prateek Khare	A Comprehensive study of Synthesis and Applications of Core-Shell Nanoparticles
<b>140</b>	Priyanka Yadav, Vikas Chandra Gupta and Vishal Mishra	Comparative study on biosorption of arsenite ions onto raw and chemically activated orange peel powder
<b>142</b>	Shital Shelke and Suhas Jawale	Modelling and hardware development of soft starter for induction motor
<b>145</b>	Om Prakash Gujela, Vidhatri Gujela and Gayatri	Fabrication of anodic aluminum oxide (AAO) nano membrane for hemodialysis machine
<b>149</b>	Swati Gangwar, Sukriti Yadav and Saaya Nakachi	Biomaterials: Journey from Natural to Artificial Restoration

### Session TS12

Date:02.12.2019, Time: 04:15 PM – 05:30 PM

Venue: Seminar Room, Department of Electrical Engineering

<b>Paper ID</b>	<b>Authors</b>	<b>Paper Title</b>
<b>39</b>	Lokendra Singh Thakur, Anil Kumar Varma, Amit Chouhan, Ravi Shankar, Prasenjit Mondal and Ashwani Kumar Rathore	Simultaneous Removal of Lead and Copper from Synthetic Water by Electrocoagulation and Techno-Economic Evaluation: Optimization through Response Surface Methodology
<b>44</b>	Mumtaj Shah, Sachin Meena and Prasenjit Mondal	Thermodynamic equilibrium modeling of gasification for syngas production containing sulphur impurity
<b>48</b>	Kuldeep Singh, R.P. Ram and Shraddha Rani Singh	Review of CFD Investigations of flow and heat transfer through Packed bed

<b>49</b>	Maharshi Yadav, Jyoti Sharma and Vitthal L. Gole	Water Disinfection using Acoustic Cavitation: Mini Review
<b>50</b>	Abhimati Shukla, Zainab Mahmood and Dr. L.K Singh	Studies on recovery of heavy metals from tannery wastewater
<b>57</b>	Ratnesh Kumar Patel, Dr. Ram Prasad, Dr.Ravi Shankar Shankar, Dr.Prateek Khare and Maharshi Yadav	Adsorptive removal of methylene blue dye from soapnut shell & pineapple waste derived activated carbon

### Session TS13

Date:03.12.2019, Time: 09:30 AM – 11:00 AM

Venue: Chandrasekhar Hall, Department of Electrical Engineering

<b>Paper ID</b>	<b>Authors</b>	<b>Paper Title</b>
<b>110</b>	Krupesh Chauhan, Bhagyashri Shisode, Govind Pandey and Vinay Kumar Singh	Gauging the Holistic Performance of an Educational Building in the Metropolitan City – Surat, Gujara
<b>115</b>	Shiva Shankar Y, Devendra Mohan and Paras Vaid	Sustainable Model for Herbal Industry Growth in India
<b>121</b>	Ranvijay Singh and Dr. R.K Shukla	Load Variation Impact in Beam Using Image Photography
<b>124</b>	Maharshi Yadav, Gaurav Sharma, Abhishek Yadav, Dr. Govind Pandey, Ratnesh Kumar Patel and Alquma Haider	Assessment of Noise Pollution at various locations of Gorakhpur
<b>126</b>	Sagar Sarangi and Siddharth	Utilization of laminates for strengthening of RCC beam
<b>130</b>	Rohit Kushwaha, Sonam, Shiva Shankar Y and Devendra Mohan	An Experimental Study on Some Parameters for Defluoridation Using Capacitive Deionization with Carbon Electrodes
<b>134</b>	Praveen Tiwari, Devendra Mohan, Surendra Kumar Pandey, Ashish Verma and Rohit Kushwaha	Assessment of Bio-medical Waste Management in Hospitals of Uttar Pradesh: An Overview
<b>135</b>	U. K. Banerjee, G. S. Singh and Devendra Mohan	Rain Water Harvesting In Rajiv Gandhi South Campus Of Banaras Hindu University: A Case Study

### Session TS14

Date:03.12.2019, Time: 09:30 AM – 11:00 AM

Venue: Vikram Sarabhai Hall, Department of Mechanical Engineering

<b>Paper ID</b>	<b>Authors</b>	<b>Paper Title</b>
<b>90</b>	Sujata More and Suhas Jawale	A single phase to three phase converter with active input current changing which fed for small capacity ac motor drives
<b>91</b>	Aditya Tiwari and Dr. Brijesh Kumar	Impact of Different Anode Materials on Performance of Organic Light Emitting Diodes
<b>96</b>	Suman Chaudhary, Sumaiya Hashmi and Anurag Govind Rao	Design Of Soft Switching Circuit For Five Level Inverter
<b>104</b>	Sumaiya Hashmi, Suman Chaudhary and Sh.K.K. Samota	Design of IOT Based Secured Medical Data Handling System Using RFID

<b>106</b>	Gyan Mishra, Yadav Rammilan and Dharmendra Kumar	Design and Analysis of Optical Properties for Circular and Defected Core PCF
<b>107</b>	Mahima Patel, Dr. Sudhanshu Verma and Saurabh Singh	Arrow Shape Microstrip Feed Line Antenna for WLAN/WiMAX Applications
<b>108</b>	Iram Fatima, Dr. Sudhanshu Verma and Saurabh Singh	A Circularly Polarized Compact Printed Slot Antenna for UWB Application

### **Session TS15**

Date:03.12.2019, Time: 09:30 AM – 11:00 AM

Venue: Vivekanand Hall, Department of Electronics & Communication Engineering

<b>Paper ID</b>	<b>Authors</b>	<b>Paper Title</b>
<b>80</b>	Timothy Prasad and Deepam Dubey	Design and Analysis of Hybrid Heat Sink Model for INTEL NUC
<b>81</b>	Ankit Yadav, Rajeev Agrawal and Anbesh Jamwal	Life cycle assessment and Life cycle energy analysis of Buildings: A review
<b>86</b>	Sunil Kumar Srivastava, Mohammad Zr Khan and Mk Gupta	Experimental investigations of Mechanical Toughness of Hybrid Wood and Pre-Treated Hybrid Wood Polymer Composites
<b>97</b>	Akhileshwar Pandey, A.K. Upadhyay and K.K. Shukla	Numerical Studies on Damage of Carbon/Epoxy Composites Exposed to Lightning Strike
<b>133</b>	Rahul Vishwakarma, Sunil Kumar Yadav and D. K. Singh	Process Performance of EDM of Inconel 925 by using Taguchi Method
<b>137</b>	Arun Kumar Kushwaha and Ram Bilas Prasad	Isomorphism identification of 8 link kinematic chains using Genetic Algorithm

### **Session TS16**

Date:03.12.2019, Time: 09:30 AM – 11:00 AM

Venue: Seminar Room, Department of Electrical Engineering

<b>Paper ID</b>	<b>Authors</b>	<b>Paper Title</b>
<b>58</b>	Ravi Shankar, Ratnesh Kumar Patel, Anjali Mishra, Durgesh Sharma, Vinod Kumar Yadav and Prateek Khare	Cu and Cd reduction by BFA: process parameter optimization and kinetic study
<b>64</b>	Vijay Verma and Ram Bharti	Meshless Local Petrov Galerkin (MLPG), A Robust and an Alternative Numerical method for CFD
<b>70</b>	Atin Kumar Pathak, Arushi Mahajan, Tania Sharma, Indu Bhushan Bhushan, V V Tyagi and Sanjeev Anand	A comparative study on water quality of Mansar Lake due to Increasing Urbanization in Last Few Years
<b>72</b>	Prateek Khare, Tej Yadav, Durgesh Sharma, Lokendra Singh Thakur and Ravi Shankar	Thermodynamic investigation of batch adsorption process for Cu and Cd simulated water using carbonized bagasse
<b>79</b>	Gajendra Kumar Gaurav and Liu Cheng	Prospective and future scope of solar energy plant: A review
<b>84</b>	Amit Kumar	Experimental Studies On Pressure Drop And Insitu Void Fraction In Air-Water Co-Current Downflow Through Millichannels



<b>138</b>	Rishabh Tiwari, Satwik Singh, Satyam Rai and Prateek Khare	Arsenic Contamination in India: Causes, Effects and Treatment Methods
<b>144</b>	Jun Lv, Xiaojuan Yang and Zicheng Wang	A Comprehensive Assessment and Projection of Hubei Forest Ecological Safety
<b>Session TS17 (Skype Presentation-1)</b>		
Date:02.12.2019, Time: 12:35 PM– 01:30 PM		
Venue: Seminar Room, Department of Electrical Engineering		
<b>Paper ID</b>	<b>Authors</b>	<b>Paper Title</b>
<b>32</b>	Tejas Jadhav and Swapnil Gadgune	Comparative study of Twin Rotor MIMO System using PID and SMC controller
<b>83</b>	Tarun Sai Nagubandi, Pranav Juneja, Ubaid Afzal, Jayesh Jaisinghani and Dr. Vimal Kumar Pathak	Dimensional Study of FDM Developed Hip Implant PLA Parts
<b>102</b>	Kanakaraj P and Ramesh L	Peak Energy Management For Peak Load Reduction In Electricity Market – An Overview