Day 1: Wednesday, February 09, 2022

10:00 Hrs - 10:15 Hrs  Welcome of Participants/Guests/Speakers

10:20 Hrs - 10:30 Hrs  Lamp Lighting and Saraswati Vandana

10:35 Hrs - 10:45 Hrs  Introduction to theme by Prof. Bhim Singh, HOD (Mechanical Engineering) & Conference Chair, TIME- 2022

10:45 Hrs - 11:00 Hrs  Welcome address by Prof. Parma Nand, Dean Academics & Dean SET, TIME- 2022

11:00 Hrs - 11:15 Hrs  Welcome address by Prof. Sibaram Khara, Vice Chancellor, Sharda University, India

11:15 Hrs - 11:20 Hrs  Vote of Thanks by Dr. Akanksha Mishra, Organizing Secretary, TIME-2022

11:20 Hrs – 11:40 Hrs  High Tea
Keynote Talk

12:00 Hrs - 12:45 Hrs  Keynote Address by Prof. Inderdeep Singh, IIT, Roorkee
12:50 Hrs - 13:35 Hrs  Keynote Address by Prof. Sachin Maheshwari, NSUT, New Delhi

14:00 Hrs - 14:45 Hrs  Keynote Address by Dr. Peter Fath, Chief Executive Officer, RCT Solutions
14:50 Hrs - 15:35 Hrs  Keynote Address by Dr. Salim M Salim, Associate Professor and Director of International Partnerships, Swansea University U.K

Paper Presentation

(Physical) Day-1
February 09th, 2022

15:40 Hrs - 17:40 Hrs  Track- Interdisciplinary Engineering

Session Chair: Dr. Mandeep Kaur
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Session Co-ordinator: Dr. Lavish Kumar Singh
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Paper Id: 103  Algorithm Based Sentiment Recognition Music Player
Akshat Ajit, Chayanika Arora, Jagriti Pal, Nikita Rai, Mr. Sushant Jhingran

Paper Id: 113  Customer Segmentation Using Machine Learning Algorithms
Sunaina Joshi, Ritank Jaikar, Debopriyo Roy Niloy, Mukul

Paper Id: 128  Application Deployment and Performance Measurement in Various Cloud Domains for Micro services
Sushant Jhingran

Paper Id: 138  Flight Fare Prediction in India
Md Saif Ali, Shubham Pandey, Sabin Adhikari, Khushi Vaisetha
**Paper Id: 129** Renewable energy in Nigeria: most recent trends and future prospects
*Mustapha Bello Muhammad*

**Paper Id: 108** Estimate Rate of Heat Transfer for Fluorescent Cry cooling
*Vikash Kumar*

**Paper Id: 133** Arduino Based 6-axis Mini Industrial Robotic Arm
*Manasa.S, Sumeek Nayan Jha, Himanshu Payal*

**Paper Id: 131** Lean Supply Chain Management - Modern Day Approach For Effective Supply
*Vivek Kumar Pansari*

**Paper Id: 115** An ISM approach for life cycle costing of a product
*Naveen J, Himanshu Payal*

**Paper Id: 143** A Review on Laser Cutting Technology Used in Industrial Applications
*Saurabh Kumar, Saigeeta Priyadarshini and Lavish Kumar Singh*

**Paper Id: 135** Industry 4.0 and its Technological Enablers: A Review
*Arpita Asthana, Himanshu Payal*
Paper Presentation
Day-2 February 10th, 2022

Session Chair: Dr. Satish Kumar Sharma (TIET, Patiala, Punjab)
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10:00 Hrs - 12:00 Hrs  Track 1 (A) Production and Manufacturing Engineering

**Paper Id: 117** Investigating the effect of micro SiC particles reinforced in Al-Cu composite
*Uma Sharma*

**Paper Id: 104** Thermomechanical analysis of WAAM process
*Manoj Mishra, Satish Kumar Sharma, Bikramjit Sharma*

**Paper Id: 101** Sheet metal shrink flanging process: A Review
*Sachin kumar nikam*

**Paper Id: 110** Tribological Performance of Cold Spray Coatings: A Review
*Arun Kumar*

**Paper Id: 141** Experimental Investigation Study Of Rotary Friction Welding Process Under The Continuous Stream Of Water By Using SS304/SS316 Material
*Vaibhav V.Kulkarni*

**Paper Id: 116** Mechanical Characterization of Aluminum Silicon Carbide Metal Composite: A Review
*Tukej Kumar, Utkarsh Pal, Vatan Saloniya*

**Paper Id: 125** Effects of Nickel Composition on Mechanical Properties of Thermal Spray Coated AISI 4041 Carbon Steel
*Gyander Ghangas, Vikas Goyat*
Paper Id: 118 Studying the effect of bimetallic Sic micro-particles on the micro-structure as well as the strength of Al6061-Al7075 composite
Satish kumar

Paper Id: 136 Industrial challenges & issues caused by hydrogen embrittlement.
Deepak Juneja, Dinesh Khanduja, Satish Kumar Sharma

Paper Id: 111 An Insight into High Temperature Tribological Coatings: A Review
Arun Kumar

Paper Id: 144 A Review on Tensile and Water Absorption Properties of Borassus Fruit Fibre-Reinforced Polymer Composites
Saigeeta Priyadarshini , MD Nadeem Alam , Lavish Kumar Singh

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10:00 Hrs - 12:00 Hrs Track: 1 (B) Thermal and Fluid Engineering Automation and Design Engineering

Paper Id: 105 Indirect Applications of Encapsulated PCM for Buildings and Structures
Abdullahi Usman and Akanksha Mishra

Paper Id: 120 Design of air conditioning system for a residential building: a review
Ramesh Das
**Paper Id: 122** Efficiency Enhancement of Solar PV Cells Using Intermittent Water-Cooling Method  
*Nilesh T. Dhokane*

**Paper Id: 134** Phase Change Materials in Solar Water and Heating System Technologies: A Review  
*Nishant Singh, Parmanand Kumar*

**Paper Id: 142** Stressing Building Energy Consumption through Net Zero Energy Building (NZEB) in Northern Nigeria  
*Ahmad Muhammad Adam, Akanksha Mishra*

**Paper Id: 137** Experimental Analysis of a Concentric Parabolic Solar Water Heater with Concentric Tubes  
*Nishant Singh and Vidhut Prakash Mouriay*

**Paper Id: 139** The Optical efficiency of parabolic concentrating system for thermal application  
*Ibrahim Zakariya'u*

**Paper Id: 109** Design and selection of material and process for a folding chair to be used by local sewing workers using house of quality  
*Naisarg H. Sagathiya*

**Paper Id: 119** Potassium Hydroxide Doped With (Poly(Methyl Methacrylate) (PMMA) Polymer As Electrolyte for Electrolytic Double layer Supercapacitor (Edlc) Application  
*Ibrahim Zakariya'u, A.A Sifawa*

**Paper Id: 123** An overview of the Contribution of the New Emerging Technological Innovations in Combating the Novel Coronavirus (COVID-19)  
*Haruna Muhd Inuwa, Abdullahi Usman, Vineet Kumar and Lavish Kumar Singh*
Session Chair: Prof. Pushpendra Singh Bharti (GGSIPU, New Delhi)
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13:30 Hrs - 15:30 Hrs  Track- Industrial Engineering

**Paper Id: 107** Literature Review of New Management Technology on JIT
*Neeraj kumar, Ashwani Dhingra, Bhim Singh*

**Paper Id: 124** Lean guidelines for effectiveness of Indian Automobile Industries
*Pooja Rani, Ashwani Kumar Dhingra*

**Paper Id: 112** A review on types, manufacturing methods and application of FGM
*Parveen Kumar, Satish Sharma, Ratnesh Kumar Raj Singh*

**Paper Id: 140** Literature Review: Implementation and Challenges of Lean 4.0 In Indian MSMEs
*Neeraj kumar, Ashwani Dhingra, Bhim Singh*

**Paper Id: 106** Hurdles and drivers of fourth industrial revolution: A review
*Hirendra Singh, Bhim Singh*

**Paper Id: 102** Transformation to lean production system using Value Stream Mapping and 5S+safety.
*Shailendra Shisode, Vaibhav Kulkarni, Nilesh Dhokane*

**Paper Id: 114** Review: Application of Machine Learning in Mechanical engineering
*Pooja Kapoor*

**Paper Id: 121** Modelling and relationship between critical success factors for implementation of lean manufacturing in Indian manufacturing industry
*Virender Chahal*

**Paper Id: 132** Significant impact of industry 4.0 technologies on lean production system: A review
*Hirendra Singh, Bhim Singh*

**Paper Id: 126** Lost Vehicle Tracker
*Himanshu Goyal and Muskan Kundnani*
**Paper Id: 127** Stimulus Of Addition Al$_2$O$_3$ Nanoparticles On Physical Properties Of Transesterified Castor Oil

Sunusi Abdulmalik Aliyu

15:35 Hrs - 15:50 Hrs  Valedictory Function
15:50 Hrs – 16:00 Hrs  Vote of Thanks by Dr. Himanshu Payal, Organizing Secretary TIME 2022