ISFT 2020

SFST INDIA

# Schedule

**8thInternationalConferenceonFusion of Science and Technology**
**January 6-10, 2020, Faridabad (NCR), India**

## Day 1, Monday, January 6, 2020

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| 1800hrs– 1900 hrs | Registration |
| 1930 hrs– 2130 hrs | Welcome Dinner for Keynote Speakers and Foreign Delegates |

## Day 2, Tuesday, January 7, 2020

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| 0800 hrs – 0930hrs | Registration |
| 0930 hrs – 1100 hrs | Inaugural Ceremony |
| 1100 hrs – 1130hrs | High Tea |

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| **1130 hrs- 1300 hrs** | **Plenary Session I** |
| **VENUE : Auditorium** | |
| **Session Chair:** | **Sh. Raj Nehru, VC, SVSU, Palwal** |
| **Session Co-Chair:** | **Prof. Sandeep Grover, JCBUST, Fbd** |
| **Session Co-ordinators:** | **Dr. Neelam Duhan (9818462006) , Dr. Sapna Taneja** |

| S. No. | Speaker | Title |
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|---|---|---|
| 1 | Prof. Autar Kaw<br>University of South Florida, Tampa, FL 33620, USA | A Framework for Including Multiple Pedagogies for STEM Education |
| 2 | Prof. Olivier Francais<br>ESIEE Paris, ESYCOM Laboratory<br>Noisy Le Grand, France | Use of Microdevices combined with Electric Field to sense, analyze and monitor biological materials |
| 3 | Prof. GhasemNajafpour<br>BabolNoshirvaniUniversity of Technology, Babol,Iran | Fabrication of pervaporative composite PDMS and ethanol selective membrane for MBR bioreactor in bioethanol separation |
| 4 | Prof. H.C. Lim<br>Pusan National University, Busan<br>South Korea | Turbulent Boundary Layer Development and Interaction with a Body |

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| **1300 hrs – 1345 hrs** | **Lunch** |

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| **1345 hrs- 1545 hrs** | **Plenary Session II** |
| **VENUE: Auditorium** | |
| **Session Chair: Dr. Ranjana Aggarwal, Director, CSIR-NISTADS**<br>**Session Co-Chair: Prof. S K Aggarwal, JCBUST, Fbd**<br>**Session Co-ordinators: Dr. Neelam Duhan (9818462006), Dr. Sapna Taneja (9818954233)** | |

| S. No. | Speaker | Title |
|---|---|---|
| 1 | Prof. Rajiv Dubey, University of South Florida, USA &Mr. Stephen Sundarrao, Associate Director, CARRT, University of South Florida, USA | Integrating Research, Education and Services for Rehabilitation Technology |
| 2 | Dr.VincenzaCalabrò<br>University of Calabria, Rende<br>Italy | Biobased fuel for Green environment |
| 3 | Prof. Sreekanth B Jonnalagadda, University of KwaZulu-Natal, South Africa | Green Approaches with Mixed Oxides and Nanocomposites as Recyclable Catalysts for Water Treatment and Organic Conversions |
| 4 | Prof. Hideaki Ohgaki, Kyoto University, Kyoto, Japan | Our Findings in Impact of Rural Electrification in ASEAN |

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| **1545 hrs – 1600 hrs** | **Tea** |

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| 1600 hrs– 1730 hrs | Technical Sessions I -V/Poster Session I |
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| TECHNICAL SESSION – I |
|---|
| ADVANCES IN ENERGY & THERMAL SYSTEMS |
| VENUE: Auditorium |
| Session Chair: Dr. G.S. Kapur, IOCL, Fbd<br>Session Co-Chair: Prof. Raj Kumar, JCBUST, Fbd<br>Session Co-ordinators: Dr. Sandhya Dixit (9899804575), Dr. O.P. Mishra (9818602901) |

| S.NO. | Paper ID | Presenting Author | Title |
|---|---|---|---|
| 1. | ISFT/2020/R1024 | K R Yellu Kumar | Effusion Cooling In Gas Turbine Combustion Chambers - A Comprehensive Review |
| 2. | ISFT/2020/R1034 | PremShanker Yadav | Effect Of Higher Injection Pressure On Biodiesel For Spray Formation |
| 3. | ISFT/2020/R1035 | Mukul Tomar | Impact Of Doping Alumina Nanoparticles On Spray Characteristics Of Diesel-Biodiesel Fuel Blends |
| 4. | ISFT/2020/R1036 | Ankit Sonthalia | Performance And Emission Characteristics Of A Single Cylinder Diesel Engine Fuelled With Hydrotreated Waste Cooking Oil |
| 5. | ISFT/2020/R1077 | Hansham Dewal | A Review On Comparative Study Of CNG And Biodiesel Blended Fuels In Compression Ignition Engines |
| 6. | ISFT/2020/R1079 | Dushyant Mishra | A Comprehensive Review On Performance Combustion And Emission Characteristics Of Diesel/Biodiesel/Alcohols And Their Blends |
| 7. | ISFT/2020/R1109 | Abhishek Verma | Thermodynamic Analysis Of A Combined Single Effect Vapour Absorption System And tc-CO2 Compression System |
| 8. | ISFT/2020/R1123 | Raghvendra Gautam | Performance And Combustion Analysis Of Diesel And Tallow Biodiesel In CI Engine |
| 9. | ISFT/2020/R1124 | Aman Pundhir | A Review On Performance Of Biodiesel Fuelled Diesel Engine |
| 10. | ISFT/2020/R1180 | KhushbuYadav | A Review On Cold Flow Properties Of Biodiesel Along With Their Improvement |

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| 11. | ISFT/2020/R1193 | Chandra Shekhar Singh | Thermal Cracking Of Karanja De-Oiled Seed Cake On Pyrolysis Reactor For Producing Bio-Oil With Focus On Its Application In Diesel Engine |
| 12. | ISFT/2020/R1200 | H. S. Pali | Improvement In Cold Flow Property Of Sal Biodiesel |
| 13. | ISFT/2020/R1206 | Sanjeev Kumar Lambha | Effect of elastic deformation on partial arc bearing with couple stress lubrication |
| 14. | ISFT/2020/R1215 | Gaurav Kansal | A mathematical model for controlling surface roughness of machined part |

| TECHNICAL SESSION – II |
|---|
| **Computer Science & Engineering –I** |
| **VENUE: MMC** |
| **Session Chair: Prof. Bhagwan Singh, Kurukshetra University.**<br>**Session Co-Chair: Prof. Atul Mishra, JCBUST, FBD**<br>**Session Co-ordinators: Dr. Anuradha Pilai (9810646641), Ms. Gunjan Sardana (9999509869)** |

| S.No. | Paper ID | Presenting Author | Paper Title |
|---|---|---|---|
| 1. | ISFT/2020/R1026 | Nandini Sharma | A Review Paper of Application Specific Internet of Things |
| 2. | ISFT/2020/R1027 | VipulGarg | Review Of Data Visualization |
| 3. | ISFT/2020/R1028 | YashicaPandey | Insights Into Data Visualization |
| 4. | ISFT/2020/R1059 | PranavShrivastava | WiFi Data Leakage Detection |
| 5. | ISFT/2020/R1064 | PrachiDahiya | Collaborative Filtering Algorithms: A Comprehensive Survey |
| 6. | ISFT/2020/R1065 | SimmiChawla | A Survey On Interoperability In Internet Of Things |

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|---|---|---|---|
| 7. | ISFT/2020/R1069 | Priya | Hadoop Distributed File System (HDFS) |
| 8. | ISFT/2020/R1076 | Pritam | An Anatomy Of Route Prediction Algorithms In Transportation Network |
| 9. | ISFT/2020/R1099 | PuneetGarg | Smart Number Cruncher – A Voice Based Calculator |
| 10. | ISFT/2020/R1100 | PuneetGarg | TVCCCS: Television Viewer's Channel Cost Calculation System On Per Second Usage |
| 11. | ISFT/2020/R1103 | ShivaniGogia | A Review On Black Hole Attack Detection In Manet |
| 12. | ISFT/2020/R1106 | Sonali Gupta | Detection Of Fraudulent Claims In Healthcare Using Machine Learning |
| 13. | ISFT/2020/R1114 | Lalit Kumar | Web Service Mocking Using Soap UI |
| 14. | ISFT/2020/R1131 | ShanuVerma | Moving Towards AI Powered Agile For Data Analytics In Health Care Systems |
| 15. | ISFT/2020/R1141 | Laxmi | A Review on Sinkhole Attack Detection in Manet |
| 16. | ISFT/2020/R1208 | Priya Pawar | A Survey of Hashing Techniques for Preserving message integrity |

| TECHNICAL SESSION – III |
|---|
| **Science & Technology** |
| **VENUE: G-7** |
| **Session Chair: Prof. S.S. Teotia, Kurukshetra University.**<br>**Session Co-Chair: Prof. Naresh Chauhan, JCBUST, FBD**<br>**Session Co-ordinators: Dr. Nobel Tomar (8800580806), Ms. RachnaDhir (8585972708)** |

| S.NO | Paper ID | Presenting Author | Paper Title |
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|---|---|---|---|
| 1. | ISFT/2020/R1010 | Ezeanyanaso Chika Scholastica | Crystalizing The Synergy In Chemical Science Between Women In Academia And Industry |
| 2. | ISFT/2020/R1014 | OkunolaOluwole Joshua | Expository Mobility Potentials Of Cd And Pb In Roadside Soils Using Chemical Fractionation Method |
| 3. | ISFT/2020/R1025 | OhnOhnSoe | Comparative Study On The Degradation Of Model Dye Solutions By Using Graphene Oxide From Local Graphite |
| 4. | ISFT/2020/R1050 | SubhadeepaDey | Synthesis And Characterization Of Hydrophilic Mixed Matrix Polymeric Membrane |
| 5. | ISFT/2020/R1051 | HarshvardhanTanksale | An Insight Into Membrane Synthesis For Dye Separation |
| 6. | ISFT/2020/R1052 | Jaya Sikder | Removal Of Reactive Red 120 From Model Textile Waste Solution By Micellar-Enhanced Ultrafiltration |
| 7. | ISFT/2020/R1053 | PoonamSinghal | A Case Study On Internal Electrification, Telephone System, LAN Networking And CCTV Surveillance System Of Energy Efficient Green Building |
| 8. | ISFT/2020/R1054 | Joyeeta Bose | Preparation And Characterization Of Polyvinyledene Fluoride Membrane Incorporated With Amine Functionalized Silicon Carbide Nanoparticle |
| 9. | ISFT/2020/R1078 | RupaliSinha | A Review: Electric Vehicles Charging System |
| 10. | ISFT/2020/R1108 | RashmiChawla | Controlling Over Enhancement Of Images Using Histogram Equalization Technique |
| 11. | ISFT/2020/R1117 | Amir Mansoori | Printing Of MEMS Sensors On Low Cost Substrates For IoT Applications |
| 12. | ISFT/2020/R1121 | Neelam Rani | Propagation Of Nonlinear Ion Acoustic Solitons In Magnetized Dense Plasma With Quantum Effects Of Degenerate Electrons |
| 13. | ISFT/2020/R1174 | Pragalbha Kant | Self Excited Induction Generator: An Insight |
| 14. | ISFT/2020/R1184 | HeenaChauhan | Development Of Iron Oxide Activated Nanoparticles In Removal Of Heavy Metals And Dyes From Wastewater |

| TECHNICAL SESSION – IV |
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| **Mechanical Engineering - Design and Analysis** |

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| VENUE: New Board Room |
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| **Session Chair:** Dr. P. Srinivas, Director-Technical MV Electrosystems Pvt. Ltd.<br>**Session Co-Chair:** Prof. Hariom, JCBUST, FBD<br>**Session Co-ordinators:** Dr. Rajeev Saha (9911921584), Sh. Nitin Panwar (9911267977) |

| S.NO. | Paper ID | Presenting Author | Paper Title |
|---|---|---|---|
| 1. | ISFT/2020/R1013 | SandipPrakashPatil | The Effect Of Thermostatic Test Environment On The Flexural Fatigue Performance Of Hydraulic Hose Assemblies |
| 2. | ISFT/2020/R1029 | Vipul Jain | Design Optimization And Analysis Of Car Bumper With The Implementation Of Hybrid Biocomposite Material |
| 3. | ISFT/2020/R1031 | Mohammad Zunaid | Mathematical Analysis Of Wind Turbine Blade At Various Angle Of Attack And Reynolds Number |
| 4. | ISFT/2020/R1033 | Prashant Chandra Pujari | Remodeling 4-Stroke S.I. Engine To A Compressed Air Engine For A Light Utility Vehicle |
| 5. | ISFT/2020/R1057 | SatvikKhuntia | Design, Development And Analysis Of A Magnetorheological Damper |
| 6. | ISFT/2020/R1058 | Noor Zaman Khan | Prioritizing the input parameters of a cleaner fabrication process using fuzzy topsis |
| 7. | ISFT/2020/R1060 | Akanksha Mishra | Comparative Deflection Analysis Of Conical Compression Spring With Standard Constant Rate Helical Spring |
| 8. | ISFT/2020/R1068 | Devanshu Jain | Investigation Of Wear In A 3D Printed Shaft – Bearing Mechanism Using Different Lubricants |
| 9. | ISFT/2020/R1074 | DevendraVashist | Design Analysis Of Two Wheeler Silencer For Improved Noise And Emission Reduction |
| 10. | ISFT/2020/R1091 | Sudhir Kumar | Study of process parameter and microstructure of freeze casting technology: a review |
| 11. | ISFT/2020/R1118 | Ashu Yadav | A study on recycling process and utilization of paper waste: A review |
| 12. | ISFT/2020/R1119 | PrashantRathi | Mechanical And Thermal Analysis Of 4-Stroke Diesel Engine Piston Using Ansys |

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| 13. | ISFT/2020/R1132 | Pradeep Jain | Design And Development Of Multi Filament Feed Mechanism For Fused Filament Fabrication Based Desktop 3D Printer |
| 14. | ISFT/2020/R1167 | Rajender Kumar Tayal | Analysis Of Bi-Metallic Joints Produced By Compound Casting Process |

**TECHNICAL SESSION – V**

**Civil/Environmental Engineering**

**VENUE: S-9 Second Floor**

**Session Chair: Dr. Rajesh Goyal, Professor & Dean, NICMAR Bahadurgarh**
**Session Co-Chair: Prof. M.L. Aggarwal, JCBUST, FBD**
**Session Co-ordinators: Dr. Arun Gupta (9889925403), Ms. Rashmi Chawla (9810368881)**

| S.No. | Paper ID | Presenting Author | Paper Title |
|---|---|---|---|
| 1. | ISFT/2020/R1020 | Shilpa Pal | Shear Resistance Of Hybrid Steel And Basalt Fiber Reinforced Concrete |
| 2. | ISFT/2020/R1040 | Mohd. Ahmed | Fuzzy TOPSIS Approach Based Decision Support Model To Select Preferential Concrete Mix Design Methods For Extreme Environment |
| 3. | ISFT/2020/R1042 | HaritPriyadarshi | Water Quality Assessment Using Physico-Chemical Parameters Of Groundwater In Beswan And Iglas Town , Aligarh District, Uttar Pradesh, India |
| 4. | ISFT/2020/R1056 | Sandeep | Finite Element Analysis Of Plain Concrete Subjected To Uniaxial And Biaxial Monotonic Loading |
| 5. | ISFT/2020/R1063 | Mamata R. Singh | Integrating DRR Concerns Into Environmental Assessment Framework For Sustainable Development |
| 6. | ISFT/2020/R1080 | Sandeep karmakar | Evaluation For Structural Integrity Of Waste Plastic Cup Modified Bituminous Mix By Micro chemical Analysis |
| 7. | ISFT/2020/R1082 | Ralf RuffelAbarca | Adsorptive Application Of Olive-Based Activated Carbon On Methylene Blue |
| 8. | ISFT/2020/R1110 | Satyam Kumar | Green Building Materials And Its Benefits |

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| 9. | ISFT/2020/R1111 | JavedMallick | Inter-Seasonal Variations Of Surface Temperature And Vegetation Cover Using Thermal Remote Sensing Data |
| 10. | ISFT/2020/R1144 | MohdAbulHasan | Hazardous Wastes And Its Impact On Human Health |
| 11. | ISFT/2020/R1155 | Ashish Shukla | Review: FRP an Efficient Alternative to Steel Guyed Towers |
| 12. | ISFT/2020/R1160 | A Gupta | Utilization of recycled aggregate, plastic, glass waste and coconut shells in concrete -A review |
| 13. | ISFT/2020/R1162 | Ashish Shukla | Natural Pozzolans a Comparative Study: A Review |
| 14. | ISFT/2020/R1165 | Isha Verma | Analysis on the Behaviour of stiffened and unstiffened steel Plate shear iwalls with enhanced performance |
| 15. | ISFT/2020/R1168 | Ashish Shukla | Study on the Behaviour of Green Concrete by the use of Industrial waste Material: A Review |
| 16 | ISFT/2020/R1169 | Nakul Gupta | A Review on the selection of the variant Water in Concreting |
| 17. | ISFT/2020/R1194 | ShahidUl Islam | Comparative Study On Seismic Behaviour Of Different Types Of Reinforced Cement Concrete – Bracing System In High Rise Reinforced Concrete Structures |

**POSTER SESSION – I**

**VENUE: Shakuntlam**

**Judges: Prof. Naresh Kumar, Kurukshetra University**
**Prof. Vikas Turk, JCBUST FBD**
**Prof. Lakhwinder Singh, JCBUST FBD**
**Session Co-ordinator: Dr. Bindu Mangla (9868377463), Dr. Shefali Trivedi (9953907492)**

| S. No. | Poster ID | Author Name | Title |
|---|---|---|---|
| 1. | ISFT/2020/P/103 | Shashank Singh Beniwal | Analysis Of Motor Controlled 3-R Material Handling System |

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| 2. | ISFT/2020/P/104 | AmanBhardwaj | Highly Efficient And Eco-Friendly Nanostructured Thermoelectric Materials For Sustainable Energy Harvesting Applications |
| 3. | ISFT/2020/P/105 | Satyam Kumar | Green Building Materials And Its Benefits |
| 4. | ISFT/2020/P/106 | RoopLalRana | Performance Analysis And Measurements Of Diesel Engine, With Constant Compression Ratio, Using Dual Fuel Namely Diesel And Diesel Blends With Soya Bean Oil |
| 5. | ISFT/2020/P/107 | KunalGautam | Tribological Analysis Of A Cricket Ball With Respect To A Cricket Pitch And Bat |
| 6. | ISFT/2020/P/127 | Afsana | Top-Down Production Of Two Dimensional ZnoNanosheets For Printed Electronic Devices |
| 7. | ISFT/2020/P/131 | FantayeAyele | Constructing A Predictive Model For Detection Of Breast Cancer |
| 8. | ISFT/2020/P/132 | FrehiwotGebrekrstosGirmay | Towards Artificial Intelligence For Enhancing Quality Of Education |
| 9. | ISFT/2020/P/133 | FrehiwotGebrekrstosGirmay | Artificial Intelligence For Ethiopia: Opportunities And Challenges |
| 10. | ISFT/2020/P/134 | Savneet Singh | Tribological Study Of Wedge Pin Using Bio Lubricant |
| 11. | ISFT/2020/P/135 | Virendra Kumar Mourya | Rare Earth Metal And Transition Metal Doped Cerium Oxide- Based Materials In Cosmetic Applications |
| 12. | ISFT/2020/P/136 | Sougue Serge | Detection Of The Bes, Veb And Toho-Types Extended-Spectrum B-Lactamase (Esbl) Produced By Enterobacteria At Saint Camille Hospital Of Ouagadougou (Burkina Faso) |
| 13. | ISFT/2020/P/137 | ShubhamJha | Experimental Study Of TribologicalBehavior Of Bio-Lubricants And Conventional Lubricants |
| 14. | ISFT/2020/P/138 | A K Sharma | Behaviour Of Electron - Ion - Neutral Temperatures And Their Ratio Comparisons Over Low Latitude F2 Region Ionosphere |
| 15. | ISFT/2020/P/142 | Jyotiraditya Kumar | Investigation Of Application To Admixture And Control Of Machines For Rcc Quality |
| 16. | ISFT/2020/P/143 | Vidhatri | Tribological Study At The Tribopair Of Plain Surface With Exponential And Polynomial Face Profiles |
| 17. | ISFT/2020/P/145 | Ompal Singh | Determination Of Crystal Structure Of Ba Doped Bifeo3 MagnetoelectricMultiferroic Ceramics |
| 18. | ISFT/2020/P/146 | Kaushal Kumar | High Performance Sio2 Nanoparticles Embedded Epoxy Nanocomposite |
| 19. | ISFT/2020/P/147 | Arun Kumar | Critical Size For Coherent To Semicoherent Transition Of Precipitates In Pre-Stressed Matrices Using Finite Element Simulations |

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| 20. | ISFT/2020/P/148 | Shweta | Comparison Of Various Solar Cell Materials Available For Renewable Energy Sources - A Review |
| 21. | ISFT/2020/P/149 | Nobel Tomar | Structural Study Of Silver Delafossites After Deintercalation |
| 22. | ISFT/2020/P/150 | Vishwas Khurana | 3-Cinnamoyl-4-Hydroxy-6-Methyl-2h-Pyran-2-Ones: Precursors Of Synthetically And Biologically Important Compounds |
| 23. | ISFT/2020/P/151 | ShilpaBehl | Extraction And Identification Of Clove Oil By Clevenger Apparatus And Evaluated By Tlc And Dsc |
| 24. | ISFT/2020/P/154 | Nandini Sharma | A Review Paper Of Application Specific Internet Of Things (Asiots) |
| 25. | ISFT/2020/P/177 | Gye-Choon Park | A Comparative Study On Vrla And Li-Ion Battery For Use In Frequency Modulation (Fm) Station |

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|---|---|
| **1900 hrs– 2000 hrs** | **Cultural Program** |
| **2000 hrs – 2130 hrs** | **Conference Dinner** |

*The venue for the cultural program and conference dinner is Samar Grand, Sector – 10 & 11 dividing road, Faridabad. The transportation would be provided to interested delegates from and back to JCBUST, Faridabad.*

## Day 3, Wednesday, January 8, 2020

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| **0900 hrs – 1100 hrs** | **Technical Session VI-X/Poster Session II** |

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| **TECHNICAL SESSION – VI** |
| **Material Science** |
| **VENUE: Auditorium** |
| **Session Chair: Dr. S.N. Naik, IIT New Delhi**<br>**Session Co-Chair: Prof. Arvind Gupta, JCBUST, FBD**<br>**Session Co-ordinators: Dr. Sandhya Dixit(9818462006), Dr. O.P. Mishra(9818602901)** |

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| S.No. | Paper ID | Presenting Author | Paper Title |
|---|---|---|---|
| 1. | ISFT/2020/R1009 | RachitChhabra | Effect Of Ply Orientation Angle On Residual Stress In Carbon-Fibre Laminates |
| 2. | ISFT/2020/R1083 | Bhoop Singh | Simulation And Investigations On Semiconductor Materials And Devices With Surround Gate Geometry For High Performance And Low Power Nano Scale Applications |
| 3. | ISFT/2020/R1094 | Dr. Surinder Kumar | Prioritization of Variables affecting the effectiveness of material handling System |
| 4. | ISFT/2020/R1095 | Aparchit Sharma | A Collective Study Of Effect Of Fiber Length On The Mechanical Properties Of Biocomposites |
| 5. | ISFT/2020/R1104 | Nipun Gupta | Processing Of Bio-Composites : A Challenge |
| 6. | ISFT/2020/R1125 | VedPrakashKushwaha | Characterisation Of Floor Tiles Reinforced Aluminium Surface Composite Synthesized By Friction Stir Processing |
| 7. | ISFT/2020/R1126 | NeerajVerma | A Review On Tribological Thermal And Other Properties OfCommonly Used Additives |
| 8. | ISFT/2020/R1156 | Mohammad Mohsin Khan | Evaluation Of Sliding Wear Behaviour Of As Cast Aluminum Alloy Reinforced With SiC Particles |
| 9. | ISFT/2020/R1157 | Mohammad Mohsin Khan | Optimization Of Dry Sliding Wear Test Parameters Of Aluminum Based Composites |
| 10. | ISFT/2020/R1163 | VenkatrajuJella | A Single-Structured Multimode Energy Harvester Based On Organic-Inorganic Hybrid Perovskite Films |
| 11. | ISFT/2020/R1164 | Swathi Ippili | Long-term stable lead-free organo-tin halide perovskite towards mechanical energy harvesting and sensing applications. |
| 12. | ISFT/2020/R1172 | MayankSaxena | Fabrication And Characterization Of Hybrid Aluminiumflyash-Graphite Composite |
| 13. | ISFT/2020/R1179 | Ritesh Sharma | Investigation Of Laser Sintered AlSi10Mg Specimens For Density And Surface Roughness |
| 14. | ISFT/2020/R1207 | Surjit Angra | Effect of argon flow rate on the weld bead characteristics of TIG coating |

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| TECHNICAL SESSION – VII |
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| **Computer Science & Engineering-II** |
| VENUE: MMC |
| **Session Chair: Dr. Amit Goel, Director Effectual Services Pvt. Ltd., New Delhi**<br>**Session Co-Chair: Prof. Sudhakar Tripathi,REC Ambedkar Nagar UP**<br>**Session Co-ordinators: Dr. Anuradha Pilai (9810646641), Ms. Gunjan Sardana (9999509869)** |

| S.NO. | Paper ID | Presenting Author | Paper Title |
|---|---|---|---|
| 1. | ISFT/2020/R1136 | Monika Yadav | Workflow Scheduling In Cloud Computing: Challenges & Opportunities |
| 2. | ISFT/2020/R1142 | Shikha Gupta | A Novel Approach For Improving Real Time Bidding Strategy |
| 3. | ISFT/2020/R1143 | Meenakshi | Performance Analysis Of Techniques For Prediction Of Diabetes Using Data Mining |
| 4. | ISFT/2020/R1145 | Shweta | Predicting Chronic Kidney Disease Using Machine Learning |
| 5. | ISFT/2020/R1146 | KiranKumari | Fraud Detection For Credit Card Transaction Using Machine Learning Techniques |
| 6. | ISFT/2020/R1147 | Rubi | A Review On Worm Hole Attack Detection In Manet |
| 7. | ISFT/2020/R1148 | Dimple Chehal | A New Approach To Identify Similar Users Based On Customer Reviews |
| 8. | ISFT/2020/R1149 | SapnaBhardwaj | BlockchainMechanisms For IoT Privacy |
| 9. | ISFT/2020/R1150 | Ajay | BlockchainMechanisms For IoT Security |
| 10. | ISFT/2020/R1152 | Sapna Singh | Prediction Of Lifestyle Related Diseases Using Machine Learning |
| 11. | ISFT/2020/R1171 | Shalu | A Comprehensive Study Of Faceted Search Algorithms |
| 12. | ISFT/2020/R1183 | PriyankaDinodia | A Survey On Various Recommender System Techniques |
| 13. | ISFT/2020/R1199 | Ranjeet Ku Rout | Analysis Of Human Olfactory Receptor System Using Fractal Dimension |

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| 14. | ISFT/2020/R1210 | Monika Gaur | Analysis of Homogeneous and Heterogeneous Protocols in WSN |
| 15. | ISFT/2020/R1212 | Jolly Khurana | A Review on Big Data over Cloud Environment |

| TECHNICAL SESSION – VIII |
|---|
| **Production & Industrial Engineering** |
| **VENUE: New Board Room** |
| **Session Chair: Dr. Mohd Suhaib Prof. (ME), JMI Delhi**<br>**Session Co-Chair: Prof. Tilak Raj JCBUST, Fbd**<br>**Session Co-ordinators: Dr. Rajeev Saha (9911921584), Sh. Nitin Panwar (9911267977)** |

| S.No. | Paper ID | Presenting Author | Paper Title |
|---|---|---|---|
| 1. | ISFT/2020/R1015 | AnupamAlok | Synthesis And Characterization Of Sintered Magnetic Abrasive Particles Having Alumina And Carbonyl Iron Powder |
| 2. | ISFT/2020/R1039 | Bharat Singh Yadav | Experimental Investigations For Erosive Wear Of Mild Steel Pipe Bends At Different Positions In Pneumatic Conveying System (PCS) |
| 3. | ISFT/2020/R1073 | Vaibhav Gangwar | Effect of process parameters on Hardness of aa-6063 in-situ microwave casting by using Taguchi method |
| 4. | ISFT/2020/R1081 | Girender Bhati | Optimization of process parameters of a-359 aluminium alloy in eps-assisted-investment casting process using Taguchi Method |
| 5. | ISFT/2020/R1085 | Praveen Kumar Dwivedi | Study Of Industry 4.0 Tools For Mass Customization In Manufacturing Sector |
| 6. | ISFT/2020/R1086 | Manoj Bhatt | A study on microstructure and mechanical properties of friction stir welding (FSW): A review |
| 7. | ISFT/2020/R1087 | Rajesh Kashyap | Synthesis And Characterization Of The Zinc Ferrite Nanoparticles By Auto Combustion Method |
| 8. | ISFT/2020/R1088 | Manas | Surface Texturing By Electrochemical Micromachining: A Review |

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| 9. | ISFT/2020/R1089 | Manas | Magneto Rheological method applied to optics polishing: A Review |
| 10. | ISFT/2020/R1153 | Ankur Dixit | Sustainability : An Essential Concept For Current And Upcoming Technological Practices |
| 11. | ISFT/2020/R1190 | Dae-Un Kim | A Study On The Change Of Displacement According To The Drainage Pump Outlet Shape And Size Of Combat Equipment |
| 12. | ISFT/2020/R1224 | Sunil Kumar | Additive Manufacturing Technology |

## TECHNICAL SESSION – IX

## Electrical/Electronics Engineering

**VENUE: G-7**

**Session Chair: Prof. Manoj Duhan DCRUST, Murthal**
**Session Co-Chair: Prof. Rajesh Ahuja,JCBUST, Fbd**
**Session Co-ordinators: Dr. Nobel Tomar (8800580806), Ms. Rachna Dhir (8585972708)**

| S.NO. | Paper ID | Presenting Author | Paper Title |
|---|---|---|---|
| 1. | ISFT/2020/R1037 | RishabhRana | Neural Network In MATLAB |
| 2. | ISFT/2020/R1041 | SaiKishanKranthi Kumar | Attendance Monitoring Using Amazon Web Service (A.W.S) |
| 3. | ISFT/2020/R1049 | Ravi Mali | A Design Of Twin Elliptical Microstrip Patch Antenna (TEMPA) For 5G Mobile Communication Using T Junction Power Divider |
| 4. | ISFT/2020/R1055 | Shakuntla Boora | Matlab Simulation Based Study of Various Types of Faults Occurring in the Transmission Lines |
| 5. | ISFT/2020/R1067 | Prashant Kumar | A Simulation Perspective For Novel Characteristics Of DH-DD-TM-SG MOSFETs |
| 6. | ISFT/2020/R1071 | Gaurav | Technical Aspects Of Grid Connected PV Array |
| 7. | ISFT/2020/R1084 | Ravi Kumar | Thin Film Deposition Of Functionalized Graphene Oxide For Sensor Applications |

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|---|---|---|---|
| 8. | ISFT/2020/R1092 | Anita Rani | Measurement Of L X-Ray Relative Intensities Of 53I At 7keV Synchrotron Radiations |
| 9. | ISFT/2020/R1096 | Anil Kumar | Numerical Modelling Of The Potential Inside The Cylindrical Shaped Nano Crystallite Metal Oxide Semiconductors And Its Effect On Gas Sensor Response |
| 10. | ISFT/2020/R1101 | Rakesh Singh | Reduction In Switching Voltage Of Go Based RRAM For Non- Volatile Memory Applications |
| 11. | ISFT/2020/R1105 | Reeta Devi | Continuous Wavelet Transform For Identification Of SCD Patients |
| 12. | ISFT/2020/R1122 | FarhadLlahiBakhsh | Design And Analysis Of Cascaded H Bridge Nine-Level Inverter In Typhoon Hil |
| 13. | ISFT/2020/R1134 | Sanjay | Gate Leakage Current Control With High-K Dielectric Material And With High Workfunction In MOS Devices For Low Standby Power Consumption |
| 14. | ISFT/2020/R1214 | Kavita | Design of High quality Dielectric Resonance Band Pass Filter by using defected ground structure and Micro-strip Line |
| 15. | ISFT/2020/R1219 | Varun Dutt | Plasma Antenna: An Overview |

| TECHNICAL SESSION –X |
|---|
| **New Frontiers in Engineering , Science & Technology** |
| **VENUE: F-6 First Floor** |
| **Session Chair: Dr. Sarita Garg, GM, IOCL, R&D**<br>**Session Co-Chair: Prof. Ashutosh Nigam, JCBUST, Fbd**<br>**Session Co-ordinators: Dr. Rupali Madan (9810968857), Dr. Manisha Garg (9958483470)** |

| S.NO. | Paper ID | Presenting Author | Paper Title |
|---|---|---|---|

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|---|---|---|---|
| 1. | ISFT/2020/R1016 | Vikrant Jaltare | Effect Of Expressive Writing On Math Anxiety Of Engineering Students |
| 2. | ISFT/2020/R1021 | BenchapornSawangsri | Learning Management Towards STEM Education Integrated<br>With Project-Based Learning |
| 3. | ISFT/2020/R1115 | Lalit Kumar | Production Process Smoothening And Elimination Of Bottleneck |
| 4. | ISFT/2020/R1116 | Lalit Kumar | Customer Relationship Management Implementation In Industries |
| 5. | ISFT/2020/R1128 | VipulSaxena | Structural And Magnetic Analysis Of Electro-Magnetic Suspension Spring |
| 6. | ISFT/2020/R1140 | AshimaVerma | A Study Of Green Bond Market In India: A Critical Review |
| 7. | ISFT/2020/R1185 | Ezeanyanaso Chika Scholastica | Automation Of Statistical Reports Of Mycotoxins Of Agricultural Products In Sub-Saharan Africa |
| 8. | ISFT/2020/R1187 | SuneelWattal | Maturity Model For IT Managed Services |
| 9. | ISFT/2020/R1201 | GuruprasadGadgil | PLHA Knowledge Sharing Facebook Model |
| 10. | ISFT/2020/R1202 | Parvesh Kumar | Effect Of Using Opome And Its Blend As Pilot Fuel With LPG On The Performance Of Dual Fuel Engine |
| 11. | ISFT/2020/R1203 | SumeetaGarg | Job Satisfaction Of Employee In ICICI & PNB Bank: A Case Study |
| 12. | ISFT/2020/R1204 | Suha K. Shihab | Prediction Of Machined Surface Temperature Of Inconel 718 Based On 3D-FE Simulation Using ALE Method |
| 13 | ISFT/2020/R1227 | Ram Karan Singh | Energy Reclamation from Municipal Solid Waste (MSW) through Clean Development Mechanism of Delhi Landfill Site in India |
| 14 | ISFT/2020/R/1209 | Dr. Bharti Kukreja | An Introspection on English Language Acquisition as a Tool for Acquiring<br>Technical and Non-technical Competencies for the Engineering Students of India |
| 15 | ISFT/2020/R/1211 | Amrita Ticku | Back propagation algorithm and its application in Mat lab |
| 16 | ISFT/2020/R/1205 | Ibrahim I Falqi | Project Review Based Conceptual Model for Knowledge Capture and Retrieval in Construction Projects |

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| TECHNICAL SESSION –XI |
|---|
| **New Frontiers in Engineering , Science & Technology** |
| VENUE: S-9Second Floor |
| **Session Chair: Dr. S.K. Dhurandhar, NSIT, Delhi**<br>**Session Co-Chair: Prof. Komal Bhatia, JCBUST, Fbd**<br>**Session Co-ordinators: Dr. Rashmi Chawla (9810368881), Dr.Mamta Kathuria (7015106142)** |

| S.NO. | Paper ID | Presenting Author | Paper Title |
|---|---|---|---|
| 1. | ISFT/2020/R/1213 | Neha Chandela,<br>Shefali Raina | Data Computing using Hadoop and Map Reduce |
| 2. | ISFT/2020/R/1216 | Deepak Garg | Impact of Sharpe Ratio &Treynor's Ratio on Selected Mutual Fund Schemes |
| 3. | ISFT/2020/R/1217 | Rashmi Chauhan | India eCommerce - Impact on Small and Micro Businesses |
| 4. | ISFT/2020/R/1218 | Jitender Singh Rajput,<br>Jitender Singh | A Study on the conceptual model of Corporate Social Responsibility |
| 5. | ISFT/2020/R/1220 | Bhawna Wadhwa, Pawan Bhadana, Shilpi Gupta | Machine Learning Techniques for Estimation in Agile: A Review |
| 6. | ISFT/2020/R/1221 | Kamana,<br>Samir Kumar Upadhyay | Study of relationship between talent management and employee performance of Faridabad |
| 7. | ISFT/2020/R/1222 | Anjali Mehta,<br>Surbhi Kukreja | Role of Text Mining in Data Mining |
| 8. | ISFT/2020/R/1223 | Sangeeta Rani | Hand Gesture Recognition for Home Automation |
| 9. | ISFT/2020/R/1225 | Gaurav Kansal,<br>Brijesh Kumar Chaurasiya | Identification of key barriers affecting the design and Implementation of lean manufacturing system by ISM approach |
| 10. | ISFT/2020/R/1226 | Renuka Guptaand Pushpinder Kaur | Heavy Metal Contamination in Agricultural Crop and Health Risk Assessment |

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| POSTER SESSION – II |
|---|
| VENUE: Shakuntlam |
| Judges: Dr.Akhilesh Mishra, REC Ambedkar Nagar ,UP<br>Prof. Poonam Singhal, JCBUST, FBD<br>Prof. Ashutosh Dixit, JCBUST, FBD<br>Session Co-ordinator: Dr. Bindu Mangla (9868377463), Dr. Shefali Trivedi (9953907492) |

| S. No. | Poster ID | Author Name | Title |
|---|---|---|---|
| 1. | ISFT/2020/P/101 | Prashant Chandra Pujari | Development Of Six Stroke Internal Combustion Engine: A Review |
| 2. | ISFT/2020/P/108 | Gautam Thakur | Thermal Analysis Of Different Materials Used In Disc Brakes |
| 3. | ISFT/2020/P/109 | Amit Jain | A Comparative Study Of Performance And Emission Characteristics Of A Diesel Engine Using Ternary Blends Containing Tire Pyrolysis Oil |
| 4. | ISFT/2020/P/110 | Devang S. Nath | Application Of Rear Diffusers To Increase Downforce Of A Race Car |
| 5. | ISFT/2020/P/111 | Manish Kumar | Static Structural Anlysis Of Trellis Swingarm Of Motorcycle Having Different Materials. |
| 6. | ISFT/2020/P/115 | Manivek | Analysis Of Drag And Lift Parameters Of NacaAirfoil With Different Positions Of Dimples |
| 7. | ISFT/2020/P/116 | Yashaswi Raj | Study Of Various Photosensitizer On Photoelectrode In Increasing The Efficiency Of Hydrogen Production By Photoelectrochemical(Pec) Method. |
| 8. | ISFT/2020/P/117 | Abhyuday Singh Latwal | Swirl In Ci Engine And Effect Of Helical Intake Port On Various Parameters |
| 9. | ISFT/2020/P/118 | SheelBhadra | Performance Analysis Of Blends Of Lemon Seeds Oil With Diesel In Ci Engines |
| 10. | ISFT/2020/P/119 | Pratham Singh | A Review Of Magnetorheological Fluid Damper Technology And Its Applications |
| 11. | ISFT/2020/P/120 | AnkitSaurabh | Cng As A Clean Fuel For 2 Wheeler Vehicles |
| 12. | ISFT/2020/P/121 | Shreyans Jain | Portable Solar Panel Combination For Electric Vehicles |
| 13. | ISFT/2020/P/122 | Aniket Gupta | Thermoelectric Generator As Energy Source In Furnaces |
| 14. | ISFT/2020/P/123 | MukeshYadav | Optimization Of Rear Wing Performance Of High-Speed Cars By Using A Passive-Variable Wing Design: A Review |

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|---|---|---|---|
| 15. | ISFT/2020/P/124 | Sandeep Kumar Barnawal | Review On Downsizing Of Internal Combustion Engine And Its Future |
| 16. | ISFT/2020/P/126 | Madan Mohan | Effect Of Using Quaternary Blend On Combustion, Performance, And Emissions In Ci Engines |
| 17. | ISFT/2020/P/128 | Yatharth Sharma | Use Of Natural Fibres In Automobiles |
| 18. | ISFT/2020/P/129 | Shourya Paul | Design And Analysis Of 4 Stroke Single Cylinder Platina Engine Aluminium Crankshaft |
| 19. | ISFT/2020/P/130 | MuditaGarg | Heart Disease Prediction Model Using Machine Learning And Data Mining |
| 20. | ISFT/2020/P/139 | Amit Kumar | Modular Bio-Power System |
| 21. | ISFT/2020/P/140 | Ayush Mishra | Design Of Power Train System Of Atv/Go-Kart |
| 22. | ISFT/2020/P/141 | Ashwani Kumar Prajapati | Solenoid Engine |
| 23. | ISFT/2020/P/152 | AnkitSonthalia | Effect Of Blends Of Hydrotreated Used Cooking Oil, Biodiesel And Diesel On The Performance And Emission Characteristics Of A Single Cylinder Diesel Engine |
| 24. | ISFT/2020/P/153 | AnkushBrella | Optimization And Analysis Of Design Parameters For A Commercial Airplane Wing By Developing A New Modern Airfoil |
| 25. | ISFT/2020/P/155 | Ashutosh Kumar | Hydroelectric Cell |
| 26. | ISFT/2020/P/156 | Vaibhav Singh | Future Scope Of Lng In India |
| 27. | ISFT/2020/P/157 | MukulTomar | Hot-Plate Ignition Probability Test Of Nanoparticles Blended Waste Cooking Oil Biodiesel |
| 28. | ISFT/2020/R/1066 | Ashish kumar | Tribological studies and microstructural characterisation of SiC and fly ash particles based aluminium 2024 alloy composites prepared through stir casting route |

| **1130 hrs- 1330 hrs** | **Plenary Session III** | |
|---|---|---|
| **VENUE: Auditorium** | | |
| **Session Chair: Prof. Tankeshwar Kumar, VC, GJUST, Hisar**<br>**Session Co-Chair:Prof. P R Sharma, JCBUST, Faridabad**<br>**Session Co-ordinators: Dr. Neelam Duhan(9818462006), Dr. Sapna Taneja (9818954233)** | | |
| **S. No.** | **Speaker** | **Title** |
| 1 | Dr. Victor Prybutok and Dr. Gayle L. Prybutok<br>University of North Texas, USA | E-health and M-health the Changing Face of Health Care Information Access and Delivery. |

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|---|---|---|
| 2 | Dr. Stefano Curcio<br>University of Calabria, Italy | Formulation of a multi-scale model to predict proteins fouling in ultrafiltration processes |
| 3 | Prof. Noureddine TAKORABET<br>Université de Lorraine, France | Towards more electric aircrafts for less carbon emissions. |
| 4 | Dr.NapatWatjanatepin<br>Rajamangala University of Technology SuvarnabhumiNonthaburi, Thailand | The LED light technology for Horticulture industries |

| | |
|---|---|
| **1330 hrs – 1415 hrs** | **Lunch** |

| | |
|---|---|
| **1415 hrs- 1615 hrs** | **Plenary Session IV** |
| **Venue: Auditorium** | |
| **Session Chair: Dr. Markanday Ahuja, VC, Gurugram University**<br>**Session Co-Chair:Prof. C K Nagpal, JC Bose UST, Faridabad**<br>**Session Co-ordinators: Dr. Neelam Duhan(9818462006), Dr. Sapna Taneja(9818954233)** | |

| S. No. | Speaker | Title |
|---|---|---|
| 1 | Prof. Michael Monticino<br>Interdisciplinary Program in Analytics & Computational Science<br>University of North Texas, Denton, Texas, USA | Adapting to Automated Analytics Evolution |
| 2 | Dr.SudipChakraborty,<br>University of Calabria, Italy | From Science to Solutions: A Journey with membrane separation |
| 3 | Dr.Vinod Kumar Sharma<br>ENEA Research centre Trisaia, Italy | ENEA Activities on Biomass/Biofuels (Sub Megawatt Scale Biomass based power generation for entrepreneurs, NGGs, Financial institutions and relevant stakeholders |
| 4 | Prof SanjeevKhanna<br>University of Missouri, Columbia, USA | Materials for Security and Sustainability |
| 5 | Prof. Wolfgang Borutzky<br>Bonn-Rhein-Sieg University of Applied Sciences, Germany | Bond Graph Modelling for Control, Fault Diagnosis and Failure Prognosis |

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|---|---|
| 1630 hrs – 1730 hrs | Valedictory Ceremony & Prize Distribution |
| 1730 hrs – 1800 hrs | Tea |

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|---|---|
| 1800 hrs - 1900 hrs | Official meeting of JCBUST, ISFT& SFST Office Bearers |
| 1900 hrs - 2000 hrs | Dinner (By Invitation Only) (For ISFT Organizing Committee, Campus Ambassadors, Key Note Speakers & Foreign Delegates).<br><br>The venue is…… |

## Day 4, Thursday, January 9, 2020

## FOR THOSE WHO ARE TAKING AGRA TOUR

| | |
|---|---|
| 0630 hrs | Assembly at theLobby of Park Plaza Hotel, Faridabad(https://www.sarovarhotels.com/park-plaza-faridabad/) |
| 0700 hrs | Departure for Agra |
| 1100 hrs | Arrival atTajMahal |
| 1330 hrs | Lunch at Agra |
| 1700 hrs | Departure from Agra to New Delhi |
| 1930 hrs | Dinner at Greater Noida |
| 2200 hrs | Back to Hotel |

*The keynote speakers/delegates are requested to take early breakfast at their respective hotels and board the Volvo buses for the Agra tour.*

*The keynote speakers/delegates are requested to follow the time frame strictly so that the tour can proceed as per schedule. Due to the tight schedule, it will be difficult to accommodate those who report late.*

*The journey to Agra will take around 4 hours through the picturesque Yamuna Expressway. The snacks at Midway, lunch in Agra and dinner in Greater Noida shall be arranged by the organizing committee.*

## FOR THOSE WHO ARE NOT TAKING AGRA TOUR

| | |
|---|---|
| 1000 hrs – 1230 hrs | Round Table on Innovations and Start-ups in Engineering, Science & Technology at JCBUST, Faridabad |
| 1230 hrs – 1330 hrs | Lunch |
| 1330 hrs – 1630 hrs | Visit toLabs/Industries |

## Day 5, Friday, January 10, 2020

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|---|---|
| 0830 hrs | Assembly at the Lobby of Park Plaza Hotel Faridabad(https://www.sarovarhotels.com/park-plaza-faridabad/) |
| 0900 hrs | Departure for Delhi Industrial Visit and Delhi Local Tour |
| 1400 hrs | Lunch |
| 1630 hrs | End of Delhi Tour. |

*The keynote speakers/delegates are requested to take breakfast timely at their respective hotels and board Volvo buses for the Delhi tour.*

*The keynote speakers/delegates are requested to follow the time frame strictly so that the tour can proceed as per schedule. Due to the tight schedule, it will be difficult to accommodate those who report late.*

*The lunch shall be arranged by the organizing committee.*

**The registration fee for foreign delegates includes the transportation and the meals for the Agra and Delhi Tour.*

***Please contact the Conference Secretariat for further details about the above tours.***

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