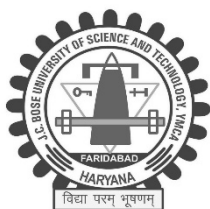


“8<sup>th</sup> International Conference on Fusion of Science & Technology (ISFT-2020)”



## **Programme Schedule**

### **8<sup>th</sup> International Conference on Fusion of Science and Technology January 6-10, 2020, Faridabad (NCR), India**

#### **Day 1, Monday, January 6, 2020**

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

#### **Day 2, Tuesday, January 7, 2020**

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

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

<b>S. No.</b>	<b>Speaker</b>	<b>Title</b>
1	Prof. Autar Kaw University of South Florida, Tampa, FL 33620, USA	A Framework for Including Multiple Pedagogies for STEM Education
2	Prof. Olivier Francais ESIEE Paris, ESYCOM Laboratory Noisy Le Grand, France	Use of Microdevices combined with Electric Field to sense, analyze and monitor biological materials
3	Prof. Ghasem Najafpour Babol Noshirvani University of Technology, Babol, Iran	Fabrication of pervaporative composite PDMS and ethanol selective membrane for MBR bioreactor in bioethanol separation

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4	Prof. H.C. Lim Pusan National University, Busan South Korea	Turbulent Boundary Layer Development and Interaction with a Body
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<b>1300 hrs – 1345 hrs</b>	<b>Lunch</b>
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<b>1345 hrs- 1545 hrs</b>	<b>Plenary Session II</b>
<b>VENUE: Auditorium</b>	
<b>Session Chair:</b>	<b>Dr. S.K. Gakhar, VC, Indira Gandhi University, Rewari</b>
<b>Session Co-Chair:</b>	<b>Prof. S K Aggarwal, JCBUST, Fbd</b>
<b>Session Co-ordinators:</b>	<b>Dr. Neelam Duhan (9818462006), Dr. Sapna Taneja (9818954233)</b>

<b>S. No.</b>	<b>Speaker</b>	<b>Title</b>
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.Vincenza Calabrò University of Calabria, Rende 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

<b>1545 hrs – 1600 hrs</b>	<b>Tea</b>
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<b>1600 hrs– 1730 hrs</b>	<b>Technical Sessions I -V/Poster Session I</b>
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<b>TECHNICAL SESSION – I</b>	
<b>ADVANCES IN ENERGY &amp; THERMAL SYSTEMS</b>	
<b>VENUE: Auditorium</b>	
<b>Session Chair:</b>	<b>Dr. G.S. Kapoor, IOCL, Fbd</b>
<b>Session Co-Chair:</b>	<b>Prof. Raj Kumar, JCBUST, Fbd</b>
<b>Session Co-ordinators:</b>	<b>Dr. Sandhya Dixit (9899804575), Dr. O.P. Mishra (9818602901)</b>

<b>S.NO.</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title</b>
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1.	ISFT/2020/R1024	K R Yellu Kumar	Effusion Cooling In Gas Turbine Combustion Chambers - A Comprehensive Review
2.	ISFT/2020/R1034	Prem Shanker 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-CO <sub>2</sub> 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	Khushbu Yadav	A Review On Cold Flow Properties Of Biodiesel Along With Their Improvement
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 Lamba	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.  
**Session Co-Chair:** Prof. Atul Mishra, JCBUST, FBD  
**Session Co-ordinators:** Dr. Anuradha Pilai (9810646641),  
Ms. Gunjan Sardana (9999509869)

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<b>S.No.</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Paper Title</b>
	ISFT/2020/R1026	Nandini Sharma	A Review Paper of Application Specific Internet of Things
	ISFT/2020/R1027	Vipul Garg	Review Of Data Visualization
	ISFT/2020/R1028	Yashica Pandey	Insights Into Data Visualization
	ISFT/2020/R1059	Pranav Shrivastava	WiFi Data Leakage Detection
	ISFT/2020/R1064	Prachi Dahiya	Collaborative Filtering Algorithms: A Comprehensive Survey
	ISFT/2020/R1065	Simmi Chawla	A Survey On Interoperability In Internet Of Things
	ISFT/2020/R1069	Priya	Hadoop Distributed File System (HDFS)
	ISFT/2020/R1076	Pritam	An Anatomy Of Route Prediction Algorithms In Transportation Network
	ISFT/2020/R1099	Puneet Garg	Smart Number Cruncher – A Voice Based Calculator
	ISFT/2020/R1100	Puneet Garg	TVCCCS: Television Viewer’s Channel Cost Calculation System On Per Second Usage
	ISFT/2020/R1103	Shivani Gogia	A Review On Black Hole Attack Detection In Manet
	ISFT/2020/R1106	Sonali Gupta	Detection Of Fraudulent Claims In Healthcare Using Machine Learning
	ISFT/2020/R1114	Lalit Kumar	Web Service Mocking Using Soap UI
	ISFT/2020/R1131	Shanu Verma	Moving Towards AI Powered Agile For Data Analytics In Health Care Systems
	ISFT/2020/R1208	Priya Pawar	A Survey of Hashing Techniques for Preserving message integrity

<b>TECHNICAL SESSION – III</b>	
<b>Science &amp; Technology</b>	
<b>VENUE: G-7</b>	
<b>Session Chair:</b>	<b>Prof. S.S. Teotia, Kurukshetra University.</b>
<b>Session Co-Chair:</b>	<b>Prof. Naresh Chauhan, JCBUST, FBD</b>
<b>Session Co-ordinators:</b>	<b>Dr. Nobel Tomar (8800580806), Ms. Rachna Dhir (8585972708)</b>

<b>S.NO</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Paper Title</b>
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	ISFT/2020/R1010	Ezeanyanaso Chika Scholastica	Crystalizing The Synergy In Chemical Science Between Women In Academia And Industry
2. 2.	ISFT/2020/R1014	Okunola Oluwole Joshua	Expository Mobility Potentials Of Cd And Pb In Roadside Soils Using Chemical Fractionation Method
3. 3.	ISFT/2020/R1025	Ohn Ohn Soe	Comparative Study On The Degradation Of Model Dye Solutions By Using Graphene Oxide From Local Graphite
4. 4.	ISFT/2020/R1050	Subhadeepa Dey	Synthesis And Characterization Of Hydrophilic Mixed Matrix Polymeric Membrane
5. 5.	ISFT/2020/R1051	Harshvardhan Tanksale	An Insight Into Membrane Synthesis For Dye Separation
6. 6.	ISFT/2020/R1052	Jaya Sikder	Removal Of Reactive Red 120 From Model Textile Waste Solution By Micellar-Enhanced Ultrafiltration
7. 7.	ISFT/2020/R1053	Poonam Singhal	A Case Study On Internal Electrification, Telephone System, LAN Networking And CCTV Surveillance System Of Energy Efficient Green Building
8. 8.	ISFT/2020/R1054	Joyeeta Bose	Preparation And Characterization Of Polyvinylidene Fluoride Membrane Incorporated With Amine Functionalized Silicon Carbide Nanoparticle
	ISFT/2020/R1072	Shubham Jaiswal	A new approach to solve the standard as well as fractional order linear/non-linear two-dimensional partial differential equation using Legendre collocation technique
10. 9.	ISFT/2020/R1078	Rupali Sinha	A Review: Electric Vehicles Charging System
11. 10.	ISFT/2020/R1108	Rashmi Chawla	Controlling Over Enhancement Of Images Using Histogram Equalization Technique
12. 11.	ISFT/2020/R1117	Amir Mansoori	Printing Of MEMS Sensors On Low Cost Substrates For IoT Applications

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13. 1 2.	ISFT/2020/R1121	Neelam Rani	Propagation Of Nonlinear Ion Acoustic Solitons In Magnetized Dense Plasma With Quantum Effects Of Degenerate Electrons
14. 1 3.	ISFT/2020/R1174	Pragalbha Kant	Self Excited Induction Generator: An Insight
15. 1 4.	ISFT/2020/R1184	Heena Chauhan	Development Of Iron Oxide Activated Nanoparticles In Removal Of Heavy Metals And Dyes From Wastewater

**TECHNICAL SESSION – IV**

**Mechanical Engineering - Design and Analysis**

**VENUE: New Board Room**

**Session Chair:** Prof. B. Prasad, Kurukshetra University.  
**Session Co-Chair:** Prof. Hariom, JCBUST, FBD  
**Session Co-ordinators:** Dr. Rajeev Saha (9911921584),  
Sh. Nitin Panwar (9911267977)

S.NO.	Paper ID	Presenting Author	Paper Title
1.	ISFT/2020/R1013	Sandip Prakash Patil	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	Satvik Khuntia	Design, Development And Analysis Of A Magnetorheological Damper
6.	ISFT/2020/R1060	Akanksha Mishra	Comparative Deflection Analysis Of Conical Compression Spring With Standard Constant Rate Helical Spring
7.	ISFT/2020/R1068	Devanshu Jain	Investigation Of Wear In A 3D Printed Shaft – Bearing Mechanism Using Different Lubricants

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8.	ISFT/2020/R1074	Devendra Vashist	Design Analysis Of Two Wheeler Silencer For Improved Noise And Emission Reduction
9.	ISFT/2020/R1091	Sudhir Kumar	Study of process parameter and microstructure of freeze casting technology: a review
10.	ISFT/2020/R1118	Ashu Yadav	A study on recycling process and utilization of paper waste: A review
11.	ISFT/2020/R1119	Prashant Rathi	Mechanical And Thermal Analysis Of 4-Stroke Diesel Engine Piston Using Ansys
12.	ISFT/2020/R1132	Pradeep Jain	Design And Development Of Multi Filament Feed Mechanism For Fused Filament Fabrication Based Desktop 3D Printer
13.	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:** Sh. Sunil Wattal, JITO, Hartron Innovation Centre, Gurgaon  
**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	Harit Priyadarshi	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

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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 Ruffel Abarca	Adsorptive Application Of Olive-Based Activated Carbon On Methylene Blue
8.	ISFT/2020/R1110	Satyam Kumar	Green Building Materials And Its Benefits
9.	ISFT/2020/R1111	Javed Mallick	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/R1160	A Gupta	Utilization of recycled aggregate, plastic, glass waste and coconut shells in concrete -A review
12.	ISFT/2020/R1162	Ashish Shukla	Natural Pozzolans a Comparative Study: A Review
13.	ISFT/2020/R1165	Isha Verma	Analysis on the Behaviour of stiffened and unstiffened steel Plate shear walls with enhanced performance
14.	ISFT/2020/R1168	Ashish Shukla	Study on the Behaviour of Green Concrete by the use of Industrial waste Material: A Review
15.	ISFT/2020/R1194	Shahid –Ul-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**

<b>Judges:</b>	<b>Prof. Naresh Kumar, Kurukshetra University</b> <b>Prof. Vikas Turk</b> <b>Prof. Lakhwinder Singh</b>
<b>Session Co-ordinator:</b>	<b>Dr. Bindu Mangla (9868377463),</b> <b>Dr. Shefali Trivedi (9953907492)</b>

S. No.	Poster ID	Author Name	Title
	ISFT/2020/P/103	Shashank Singh Beniwal	Analysis Of Motor Controlled 3-R Material Handling System
	ISFT/2020/P/104	Aman Bhardwaj	Highly Efficient And Eco-Friendly Nanostructured Thermoelectric Materials For Sustainable Energy Harvesting Applications
	ISFT/2020/P/105	Satyam Kumar	Green Building Materials And Its Benefits

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	ISFT/2020/P/106	Roop Lal Rana	Performance Analysis And Measurements Of Diesel Engine, With Constant Compression Ratio, Using Dual Fuel Namely Diesel And Diesel Blends With Soya Bean Oil
	ISFT/2020/P/107	Kunal Gautam	Tribological Analysis Of A Cricket Ball With Respect To A Cricket Pitch And Bat
	ISFT/2020/P/127	Afsana	Top-Down Production Of Two Dimensional ZnO Nanosheets For Printed Electronic Devices
	ISFT/2020/P/131	Fantaye Ayele	Constructing A Predictive Model For Detection Of Breast Cancer
	ISFT/2020/P/132	Frehiwot Gebrekrstos Girmay	Towards Artificial Intelligence For Enhancing Quality Of Education
	ISFT/2020/P/133	Frehiwot Gebrekrstos Girmay	Artificial Intelligence For Ethiopia: Opportunities And Challenges
	ISFT/2020/P/134	Savneet Singh	Tribological Study Of Wedge Pin Using Bio Lubricant
	ISFT/2020/P/135	Virendra Kumar Mourya	Rare Earth Metal And Transition Metal Doped Cerium Oxide- Based Materials In Cosmetic Applications
	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)
	ISFT/2020/P/137	Shubham Jha	Experimental Study Of Tribological Behavior Of Bio-Lubricants And Conventional Lubricants
	ISFT/2020/P/138	A K Sharma	Behaviour Of Electron - Ion - Neutral Temperatures And Their Ratio Comparisons Over Low Latitude F2 Region Ionosphere
	ISFT/2020/P/142	Jyotiraditya Kumar	Investigation Of Application To Admixture And Control Of Machines For Rcc Quality
	ISFT/2020/P/143	Vidhatri	Tribological Study At The Tribopair Of Plain Surface With Exponential And Polynomial Face Profiles
	ISFT/2020/P/145	Ompal Singh	Determination Of Crystal Structure Of Ba Doped Bifeo <sub>3</sub> MagnetoelectricMultiferroic Ceramics
	ISFT/2020/P/146	Kaushal Kumar	High Performance SiO <sub>2</sub> Nanoparticles Embedded Epoxy Nanocomposite
	ISFT/2020/P/147	Arun Kumar	Critical Size For Coherent To Semicoherent Transition Of Precipitates In Pre-Stressed Matrices Using Finite Element Simulations
	ISFT/2020/P/148	Shweta	Comparison Of Various Solar Cell Materials Available For Renewable Energy Sources - A Review
	ISFT/2020/P/149	Nobel Tomar	Structural Study Of Silver Delafossites After Deintercalation

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	ISFT/2020/P/150	Vishwas Khurana	3-Cinnamoyl-4-Hydroxy-6-Methyl-2h-Pyran-2-Ones: Precursors Of Synthetically And Biologically Important Compounds
	ISFT/2020/P/151	Shilpa Behl	Extraction And Identification Of Clove Oil By Clevenger Apparatus And Evaluated By Tlc And Dsc
	ISFT/2020/P/154	Nandini Sharma	A Review Paper Of Application Specific Internet Of Things (Asiots)
	ISFT/2020/P/177	Gye-Choon Park	A Comparative Study On Vrla And Li-Ion Battery For Use In Frequency Modulation (Fm) Station

<b>1900 hrs– 2000 hrs</b>	<b>Cultural Program</b>
<b>2000 hrs – 2130 hrs</b>	<b>Conference Dinner</b>

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**

<b>0900 hrs – 1100 hrs</b>	<b>Technical Session VI-X/Poster Session II</b>
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<b>TECHNICAL SESSION – VI</b>	
<b>Material Science</b>	
<b>VENUE: Auditorium</b>	
<b>Session Chair:</b>	<b>Dr. S.N. Naik, IIT New Delhi</b>
<b>Session Co-Chair:</b>	<b>Prof. Arvind Gupta, JCBUST, FBD</b>
<b>Session Co-ordinators:</b>	<b>Dr. Sandhya Dixit(9818462006), Dr. O.P. Mishra(9818602901)</b>

<b>S.No.</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Paper Title</b>
1.	ISFT/2020/R1009	Rachit Chhabra	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

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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	Ved Prakash Kushwaha	Characterisation Of Floor Tiles Reinforced Aluminium Surface Composite Synthesized By Friction Stir Processing
7.	ISFT/2020/R1126	Neeraj Verma	A Review On Tribological Thermal And Other Properties Of Commonly 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	Venkatraju Jella	A Single-Structured Multimode Energy Harvester Based On Organic-Inorganic Hybrid Perovskite Films
11.	ISFT/2020/R1164	Prachi Dahiya	Collaborative Filtering Algorithms : A comprehensive survey
12.	ISFT/2020/R1169	Nakul Gupta	A Review on the selection of the variant Water in Concreting
13.	ISFT/2020/R1172	Mayank Saxena	Fabrication And Characterization Of Hybrid Aluminiumflyash-Graphite Composite
14.	ISFT/2020/R1179	Ritesh Sharma	Investigation Of Laser Sintered AlSi10Mg Specimens For Density And Surface Roughness
15.	ISFT/2020/R1207	Surjit Angra	Effect of argon flow rate on the weld bead characteristics of TIG coating

**TECHNICAL SESSION – VII**

**Computer Science & Engineering-II**

**VENUE: MMC**

<b>Session Chair:</b>	<b>Dr. Amit Goel, Director Effectual Services Pvt. Ltd., New Delhi</b>
<b>Session Co-Chair:</b>	<b>Prof. Sudhakar Tripathi, REC Ambedkar Nagar UP,</b>
<b>Session Co-ordinators:</b>	<b>Dr. Anuradha Pilai (9810646641), Ms. Gunjan Sardana (9999509869)</b>

<b>S.NO.</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Paper Title</b>
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

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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	Kiran Kumari	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	Sapna Bhardwaj	Blockchain Mechanisms For IoT Privacy
9.	ISFT/2020/R1150	Ajay	Blockchain Mechanisms 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	Priyanka Dinodia	A Survey On Various Recommender System Techniques
13.	ISFT/2020/R1199	Ranjeet Ku Rout	Analysis Of Human Olfactory Receptor System Using Fractal Dimension
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  
**Session Co-Chair:** Prof. Tilak Raj JCBUST, Fbd  
**Session Co-ordinators:** Dr. Rajeev Saha (9911921584),  
Sh. Nitin Panwar (9911267977)

S.No.	Paper ID	Presenting Author	Paper Title
1.	ISFT/2020/R1015	Anupam Alok	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)

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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
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

<b>TECHNICAL SESSION – IX</b>	
<b>Electrical/Electronics Engineering</b>	
<b>VENUE: G-7</b>	
<b>Session Chair:</b>	<b>Prof. Manoj Duhan DCRUST, Murthal</b>
<b>Session Co-Chair:</b>	<b>Prof. Rajesh Ahuja, JCBUST, Fbd</b>
<b>Session Co-ordinators:</b>	<b>Dr. Nobel Tomar (8800580806), Ms. Rachna Dhir (8585972708)</b>

<b>S.NO.</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Paper Title</b>
1.	ISFT/2020/R1037	Rishabh Rana	Neural Network In MATLAB
2.	ISFT/2020/R1041	Sai Kishan Kranthi Kumar	Attendance Monitoring Using Amazon Web Service (A.W.S)

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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 Line
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
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	Farhad Llahi Bakhsh	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. K.K. Gupta Principal, Aggarwal College BLB  
**Session Co-Chair:** Prof. Ashutos Nigam, JCBUST, Fbd  
**Session Co-ordinators:** Dr. Rupali Madan (9953907492), Dr. Manisha Garg (9958483470)

S.NO.	Paper ID	Presenting Author	Paper Title
1.	ISFT/2020/R1016	Vikrant Jaltare	Effect Of Expressive Writing On Math Anxiety Of Engineering Students

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2.	ISFT/2020/R1021	Benchaporn Sawangsri	Learning Management Towards STEM Education Integrated With Project-Based Learning
3.	ISFT/2020/R1115	Lalit Kumar	Production Process Smoothing And Elimination Of Bottleneck
4.	ISFT/2020/R1116	Lalit Kumar	Customer Relationship Management Implementation In Industries
5.	ISFT/2020/R1128	Vipul Saxena	Structural And Magnetic Analysis Of Electro-Magnetic Suspension Spring
6.	ISFT/2020/R1140	Ashima Verma	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	Suneel Wattal	Maturity Model For IT Managed Services
9.	ISFT/2020/R1201	Guruprasad Gadgil	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	Sumeeta Garg	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 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

**TECHNICAL SESSION –XI**

**New Frontiers in Engineering , Science & Technology**

**VENUE: S-9Second Floor**



**“8<sup>th</sup> International Conference on Fusion of Science & Technology (ISFT-2020)”**

<b>Session Chair:</b>	<b>Dr. S.K. Dhurandhar, NSIT, Delhi</b>
<b>Session Co-Chair:</b>	<b>Prof. Komal Bhatia, JC Bose UST, Fbd</b>
<b>Session Co-ordinators:</b>	<b>Dr. Rashmi Chawla (9810368881), Dr.Mamta Kathuria (7015106142)</b>

S.NO.	Paper ID	Presenting Author	Paper Title
1.	ISFT/2020/R/1213	Neha Chandela, Shefali Raina	Data Computing using Hadoop and Map Reduce
2.	ISFT/2020/R/1214	Kavita, Monika Gaur	Design of high quality dielectric resonance band pass filter by Using defected ground structure and micro-strip line
3.	ISFT/2020/R/1215	Gaurav Kansal, Vikas Kumar	A mathematical model for controlling surface roughness of machined part
4.	ISFT/2020/R/1216	Deepak Garg	Impact of Sharpe Ratio & Treynor's Ratio on Selected Mutual Fund Schemes
5.	ISFT/2020/R/1217	Rashmi Chauhan	India eCommerce - Impact on Small and Micro Businesses
6.	ISFT/2020/R/1218	Jitender Singh Rajput, Jitender Singh	A Study on the conceptual model of Corporate Social Responsibility
7.	ISFT/2020/R/1219	Varun Dutt, Rupendra Singh Chahar	Plasma Antenna: An Overview
8.	ISFT/2020/R/1220	Bhawna Wadhwa, Pawan Bhadana, Shilpi Gupta	Machine Learning Techniques for Estimation in Agile: A Review
9.	ISFT/2020/R/1221	Kamana, Samir Kumar Upadhyay	Study of relationship between talent management and employee performance of Faridabad
10.	ISFT/2020/R/1222	Anjali Mehta, Surbhi Kukreja	Role of Text Mining in Data Mining
11.	ISFT/2020/R/1223	Sangeeta Rani	Hand Gesture Recognition for Home Automation
12.	ISFT/2020/R/1224	Sunil Kumar	Additive Manufacturing Technology
13.	ISFT/2020/R/1225	Gaurav Kansal, Brijesh Kumar Chaurasiya	Identification of key barriers affecting the design and Implementation of lean manufacturing system by ISM approach
14.	ISFT/2020/R/1226	Renuka Guptaand Pushpinder Kaur	Heavy Metal Contamination in Agricultural Crop and Health Risk Assessment

**POSTER SESSION – II**

**VENUE: Shakuntlam**

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<b>Judges:</b>	<b>Dr.Akhilesh Mishra, REC Ambedkar Nagar ,UP</b> <b>Prof. Poonam Singhal</b> <b>Prof. Ashutosh Dixit</b>
<b>Session Co-ordinator:</b>	<b>Dr. Bindu Mangla (9868377463),</b> <b>Dr. Shefali Trivedi (9953907492)</b>

S. No.	Poster ID	Author Name	Title
	ISFT/2020/P/101	Prashant Chandra Pujari	Development Of Six Stroke Internal Combustion Engine: A Review
	ISFT/2020/P/108	Gautam Thakur	Thermal Analysis Of Different Materials Used In Disc Brakes
	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
	ISFT/2020/P/110	Devang S. Nath	Application Of Rear Diffusers To Increase Downforce Of A Race Car
	ISFT/2020/P/111	Manish Kumar	Static Structural Analysis Of Trellis Swingarm Of Motorcycle Having Different Materials.
	ISFT/2020/P/115	Manivek	Analysis Of Drag And Lift Parameters Of NacaAirfoil With Different Positions Of Dimples
	ISFT/2020/P/116	Yashaswi Raj	Study Of Various Photosensitizer On Photoelectrode In Increasing The Efficiency Of Hydrogen Production By Photoelectrochemical(Pec) Method.
	ISFT/2020/P/117	Abhyuday Singh Latwal	Swirl In Ci Engine And Effect Of Helical Intake Port On Various Parameters
	ISFT/2020/P/118	Sheel Bhadra	Performance Analysis Of Blends Of Lemon Seeds Oil With Diesel In Ci Engines
	ISFT/2020/P/119	Pratham Singh	A Review Of Magnetorheological Fluid Damper Technology And Its Applications
	ISFT/2020/P/120	Ankit Saurabh	Cng As A Clean Fuel For 2 Wheeler Vehicles
	ISFT/2020/P/121	Shreyans Jain	Portable Solar Panel Combination For Electric Vehicles
	ISFT/2020/P/122	Aniket Gupta	Thermoelectric Generator As Energy Source In Furnaces
	ISFT/2020/P/123	Mukesh Yadav	Optimization Of Rear Wing Performance Of High-Speed Cars By Using A Passive-Variable Wing Design: A Review
	ISFT/2020/P/124	Sandeep Kumar Barnawal	Review On Downsizing Of Internal Combustion Engine And Its Future
	ISFT/2020/P/126	Madan Mohan	Effect Of Using Quaternary Blend On Combustion, Performance, And Emissions In Ci Engines
	ISFT/2020/P/128	Yatharth Sharma	Use Of Natural Fibres In Automobiles

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	ISFT/2020/P/129	Shourya Paul	Design And Analysis Of 4 Stroke Single Cylinder Platina Engine Aluminium Crankshaft
	ISFT/2020/P/130	Mudita Garg	Heart Disease Prediction Model Using Machine Learning And Data Mining
	ISFT/2020/P/139	Amit Kumar	Modular Bio-Power System
	ISFT/2020/P/140	Ayush Mishra	Design Of Power Train System Of Atv/Go-Kart
	ISFT/2020/P/141	Ashwani Kumar Prajapati	Solenoid Engine
	ISFT/2020/P/152	Ankit Sonthalia	Effect Of Blends Of Hydrotreated Used Cooking Oil, Biodiesel And Diesel On The Performance And Emission Characteristics Of A Single Cylinder Diesel Engine
	ISFT/2020/P/153	Ankush Brella	Optimization And Analysis Of Design Parameters For A Commercial Airplane Wing By Developing A New Modern Airfoil
	ISFT/2020/P/155	Ashutosh Kumar	Hydroelectric Cell
	ISFT/2020/P/156	Vaibhav Singh	Future Scope Of Lng In India
	ISFT/2020/P/157	Mukul Tomar	Hot-Plate Ignition Probability Test Of Nanoparticles Blended Waste Cooking Oil Biodiesel
	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

<b>1130 hrs- 1330 hrs</b>		<b>Plenary Session III</b>
<b>VENUE: Auditorium</b>		
<b>Session Chair: Prof. Tankeshwar Kumar, VC, GJUST, Hisar</b> <b>Session Co-Chair: Prof. P R Sharma, JCBUST, Faridabad</b> <b>Session Co-ordinators: Dr. Neelam Duhan(9818462006),</b> <b>Dr. Sapna Taneja (9818954233)</b>		
<b>S. No.</b>	<b>Speaker</b>	<b>Title</b>
1	Dr. Victor Prybutok and Dr. Gayle L. Prybutok University of North Texas, USA	E-health and M-health the Changing Face of Health Care Information Access and Delivery.
2	Dr. Stefano Curcio University of Calabria, Italy	Formulation of a multi-scale model to predict proteins fouling in ultrafiltration processes
3	Prof. Nouredine TAKORABET Université de Lorraine, France	Towards more electric aircrafts for less carbon emissions.
4	Dr.Napat Watjanatepin Rajamangala University of Technology Suvarnabhumi Nonthaburi, Thailand	The LED light technology for Horticulture industries

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<b>1330 hrs – 1415 hrs</b>	<b>Lunch</b>
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<b>1415 hrs- 1615 hrs</b>	<b>Plenary Session IV</b>
<b>Venue: Auditorium</b>	
<b>Session Chair:</b>	<b>Dr. Markanday Ahuja, VC, Gurugram University</b>
<b>Session Co-Chair:</b>	<b>Prof. C K Nagpal, JC Bose UST, Faridabad</b>
<b>Session Co-ordinators:</b>	<b>Dr. Neelam Duhan(9818462006), Dr. Sapna Taneja(9818954233)</b>

<b>S. No.</b>	<b>Speaker</b>	<b>Title</b>
1	Prof. Michael Monticino Interdisciplinary Program in Analytics & Computational Science University of North Texas, Denton, Texas, USA	Adapting to Automated Analytics Evolution
2	Dr. Sudip Chakraborty, University of Calabria, Italy	From Science to Solutions: A Journey with membrane separation
3	Dr.Vinod Kumar Sharma 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 Sanjeev Khanna University of Missouri, Columbia, USA	Materials for Security and Sustainability
5	Prof. Wolfgang Borutzky Bonn-Rhein-Sieg University of Applied Sciences, Germany	Bond Graph Modelling for Control, Fault Diagnosis and Failure Prognosis

1630 hrs – 1730 hrs	Valedictory Ceremony & Prize Distribution
1730 hrs – 1800 hrs	Tea
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). The venue is.....

**Day 4, Thursday, January 9, 2020**

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### FOR THOSE WHO ARE TAKING AGRA TOUR

0630 hrs	Assembly at the Lobby of Park Plaza Hotel, Faridabad( <a href="https://www.sarovarhotels.com/park-plaza-faridabad/">https://www.sarovarhotels.com/park-plaza-faridabad/</a> )
0700 hrs	Departure for Agra
1100 hrs	Arrival at TajMahal
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 to Labs/Industries

### Day 5, Friday, January 10, 2020

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

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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.**