



**International Conference on
Futuristic Advances in Mechatronics Engineering for Aerospace and Defence
4 & 5 October 2024**

Jointly organised by
Symbiosis Institute of Technology, Symbiosis International (Deemed University), Pune, India
and
Space Society of Mechanical Engineers (SSME), Space Application Centre (SAC), ISRO, Ahmedabad

Summary of Venue and CMT ID Presentations

Summary of Venue and CMT ID Presentations

	Venue	Session1: Date: 4/10/2024 Time: 2.00-3.30 PM	Session 2: Date: 4/10/2024 Time: 3.45-5.15 PM	Session 3: Date: 5/10/2024 Time: 1.30-3.00 PM
Venue 1	Data Structure & Algorithm Lab (5 th Floor)	Robotics and Automation	Robotics and Automation	Robotics and Automation
		CMT ID: 77, 9, 336, 136, 309, 213	CMT ID: 254, 274, 204, 41, 111, 121	CMT ID: 154, 243, 330
Venue 2	Machine & Deep Learning Lab (5 th Floor)	Smart Materials & Manufacturing Science & Technologies	Smart Materials & Manufacturing Science & Technologies	Smart Materials & Manufacturing Science & Technologies
		CMT ID: 226, 285, 21, 100, 123	CMT ID: 144, 193, 328, 326	CMT ID: 15, 95, 146, 148, 325, 335, 178
Venue 3	Natural Language Processing Lab (5 th Floor)	Smart Materials & Manufacturing Science & Technologies	Smart Materials & Manufacturing Science & Technologies	AIML Space applications: LLMs, GPUs, NLP, and Generative AI
		CMT ID: 71, 125, 238, 141, 38	CMT ID: 168, 201, 251, 257, 286, 166, 158	CMT ID: 160, 174, 206, 233, 318, 198
Venue 4	Cloud Computing Lab (5 th Floor)	AIML Space applications: LLMs, GPUs, NLP, and Generative AI	AIML Space applications: LLMs, GPUs, NLP, and Generative AI	AIML Space applications: LLMs, GPUs, NLP, and Generative AI
		CMT ID: 321, 196, 135, 208, 333, 311	CMT ID: 161, 302, 313, 315, 317	CMT ID: 320, 323, 109, 134, 156, 229, 181



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	Venue	Session1: Date: 4/10/2024 Time: 2.00-3.30 PM	Session 2: Date: 4/10/2024 Time: 3.45-5.15 PM	Session 3: Date: 5/10/2024 Time: 1.30-3.00 PM
Venue 5	Multimodal Sensor Analytics Lab (5th Floor)	Fluid and Thermal Engineering	Fluid and Thermal Engineering	Fluid and Thermal Engineering
		CMT ID: 176, 283, 287, 49, 225	CMT ID: 288, 292, 294, 295, 232, 234	CMT ID: 296, 127, 275, 151, 47, 68, 92
Venue 6	Mobile Robotics Lab (6th Floor)	Fluid and Thermal Engineering	Fluid and Thermal Engineering	Fluid and Thermal Engineering
		CMT ID: 173, 182, 183, 185, 120, 142	CMT ID: 199, 228, 272, 248, 256, 258	CMT ID: 290, 332, 34, 265, 281
Venue 7	PLC & Automation Lab (6th Floor)	Fluid and Thermal Engineering	Fluid and Thermal Engineering	Fluid and Thermal Engineering
		CMT ID: 331, 82, 143, 188, 334, 277	CMT ID: 169, 291, 16, 48, 303, 165	CMT ID: 65, 76, 126, 139, 179, 191
Venue 8	Mechatronics & IOT Lab (6th Floor)	Fluid and Thermal Engineering	Fluid and Thermal Engineering	Fluid and Thermal Engineering
		CMT ID: 217, 222, 231, 155, 175	CMT ID: 235, 246, 261, 266, 60, 88	CMT ID: 293, 42, 103, 106, 108, 33, 184
Venue 9	Hydraulic & Pneumatics Lab (6th Floor)	Fluid and Thermal Engineering	Design Engineering	Design Engineering
		CMT ID: 192, 241, 40, 171, 128	CMT ID: 24, 52, 53, 216, 61, 140	CMT ID: 90, 240, 242, 32, 263, 115, 122
Venue 10	Aerial Robot Lab (6th Floor)	Design Engineering	Design Engineering	Design Engineering
		CMT ID: 271, 276, 305, 31, 299, 74	CMT ID: 18, 36, 63, 190, 215, 264	CMT ID: 270, 308, 113, 207, 249, 252
Venue 11		CMT ID: 156, 38, 323, 114, 153, 118	CMT ID: 203, 116, 224, 117, 45, 162, 133, 67	CMT ID: 310, 66, 157, 301, 205, 145, 280, 260

Session 1

Parallel Session:1; Time: 2.00-3.30, Date:04/10/2024, Location:Venue 1: Data Structure & Algorithm Lab (5th Floor)

Parallel Session No	Paper ID	Title	Author
1	77	Components Sorting based on type and color using Factory I/O	Lalge, Prathamesh P.*; Kamadolli, Aryan A; Kittur , Shaibaz ; Katti, Shrihari
	9	Automated Attendance System	Rathod, Chayank J*; Joshi, Kalpesh; Rathod, Shivam; Rathod, Rohit; Rathod, Sakshi; Rathi, Soham; Rathod, Samadhan
	336	A comprehensive review of trajectory optimization for industrial robots	Mahale, Dipika Pankaj*
	136	Efficient Public Transportation Control: Arduino PLC and YOLOv8 for Streamlined Emergency Transit Management	jain, Reetu*; Gupta, Samarth S
	309	Machine Vision based Framework for Guided Assembly Station	George, Zephin S; Shukla, Manoj Kumar*; Bongale, Arunkumar; Kumar, Satish
	213	Design of Haptic Device for Training Blind People for Navigation	jain, Reetu*; bhadra, mohnish



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Session 1

Parallel Session:1; Time: 2.00-3.30, Date:04/10/2024, Location:Venue 2: Machine & Deep Learning Lab (5th Floor)			
Parallel Session No	Paper ID	Title	Author
1	226	Optimization of Processing Parameters in Wire and Arc-based Additive Manufacturing of 316L Stainless Steel using a Novel Hybrid MCDM Model	Manglani, Aditya B* ; Fuse, Kishan; Badheka, Vishvesh
	285	The Use of Additive Manufacturing in Heat Exchangers: A Review	Kulkarni, Rohan R* ; Shinde, Sunil; Kulkarni, Tanaya Prasad; Kulkarni, Aditya; Khedwala, Burhanuddin Y; Mahadik, Shantanu Sanjay ; Kadam, Atharv S
	21	Complexity Computation System for High Valued Industrial Investment Casting	Maheta, Nikunj* ; Sata, Amit
	100	Non-Polynomial Quasi 3D Shear Deformation Theory for the Flexural Analysis of Functionally Graded Plates.	Kulkarni, Kamlesh* ; Singh, Bhriugu Nath; Maiti, Dipak Kumar
	123	Development of Flexible FRP Joint between stiff FRP Panels for Novel Applications	Sutar, Aloukik Vijay; Ugale, Vinay Vinay*



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Session 1

Parallel Session:1; Time: 2.00-3.30, Date:04/10/2024, Location:Venue 3:Natural Language Processing Lab (5th Floor)

Parallel Session No	Paper ID	Title	Author
1	71	Impact of Material Orientation on Interfacial Properties in 2D Materials	Sharma, Bharat Bhushan*
	125	Removal of Emerging Contaminants from Pharmaceutical Wastewater Using Microalgae Surmised Biochar by Adsorption process	Duraij, SHARMILA*; D, Deepa
	238	Temperature Induced Phase Transformation Behavior of Nitinol alloy: A Molecular Dynamics Study	Dora, T Lachana; Krothapalli, Siddhartha; Mishra, Radha Raman*
	141	Enhancing Weld Quality and Corrosion Resistance of C71500 Copper-Nickel Alloys through Friction Stir Welding	Pavankumar Sonawane*Dr Namdev A. Patil,Shaunak Samudra,Pranav Chougule,Tanish Hire,Rahul Kesale
	38	Production of Environmentally-Friendly Bricks through the Incorporation of Sugarcane Bagasse Ash and Plastic Waste	D, Deepa*; D, Muthu; S, Harishankar; S, Shyam sundar

Session 1

Parallel Session:1; Time: 2.00-3.30, Date:04/10/2024, Location:Venue 4:Cloud Computing Lab (5th Floor)

Parallel Session No	Paper ID	Title	Author
1	321	Structural modeling of a VAWT blade to quantify the Damping coefficient	jain, Reetu*; Bajaj, Yashvardhan
	196	FRAUD DETECTION IN ONLINE CONSUMER REVIEWS USING STACK ENSEMBLE	kumar, vasanth CH. *; krishnamurthy, Premnath
	135	Artificial Intelligence and Judiciary: Revamping Legal Systems Through Technological Advancements	Dharangutti, Yogesh M; Vasmatkar, Abhijit; N V, Sneha*; R, Keerthana
	208	A Comprehensive Review of Deep Learning Techniques for Advancing Alzheimer's Disease Detection	Kaskar, Shehzin*; Kinger, Shakti S
	333	A Robust Ensemble Model Integrating Random Forest and Multi-Layer Perceptron Classifiers for Enhanced Health Condition Predictions	Dharrao, Deepak*; Singh, Akshra; Kumar, Akshat; Kadam, Mahesh; Godse, Snehal; Dharrao, Madhuri; Bongale, Anupkumar M M
	311	Optimizing the design of the pound agitator using AHP and TOPSIS	jain, Reetu*



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Session 1

Parallel Session:1; Time: 2.00-3.30, Date:04/10/2024, Location:Venue 5:Multimodal Sensor Analytics Lab (5th Floor)

Parallel Session No	Paper ID	Title	Author
1	176	A Review of Thermal Performance Augmentation of Solar Air Heater Using Rib Turbulators and Optimization of Thermo-hydraulic Performance	G.K. Pramod; N, Madhwesh; Chandavar, Arunachala U; M.S, Manjunath*
	283	Long-term Performance and Reliability of Heat Exchangers	Shinde, Sunil*; Kumkar, Dhanraj; Kumbhar, Akshay R; Kumbhar, Shridhar; Madewar, Rajesh; Kumbhar, Sunandan; Kulkarni, Atharv
	287	Design and Optimization of Plate Fin Heat Exchanger	Shinde, Sunil*; Manwatkar, Prathmesh Devidas; Zade, Mayank; Poreddiwar, Om ; Bhalerao, Mandar; Kadam, Atharv S
	49	Experimental and numerical analysis of slug flow in a horizontal pipe	Deshmukh, Prashant Wasudeo*; Chaware, Parag; Apte, Anuja
	225	A Comprehensive Review and Bibliometric Analysis on Cryogenic Heat Pipe: Technologies, Applications, Challenges and Future Trends	Sawant, Rohan*; Sonawane, Chandrakant Dr; Singh, V K

Session 1

Parallel Session:1; Time: 2.00-3.30, Date:04/10/2024, Location:Venue 6: Mobile Robotics Lab (6th Floor)

Parallel Session No	Paper ID	Title	Author
1	173	Active flow separation control over diamond airfoil using plasma actuators.	Hulage, Maithili S* ; Palande, Aditya; Kulkarni, Sarthak
	182	Numerical Investigation of Aerodynamic Performance and Drag Reduction in Blunt Bodies with Aerodisk-Mounted Spikes under Supersonic and Hypersonic Flow Conditions	Kate, Anushka Rahul* ; Kulkarni, Chaitanya; Korad, Vaishnavi ; Sharma, Yaswini; Sarwar, Md Gulam ; Sahoo, Devabrata
	183	Effect of Geometric Swirl on the Performance of a Serpentine Nozzle	Sharma, Yaswini* ; Korad, Vaishnavi; Kulkarni, Chaitanya; Kate, Anushka Rahul; Kulkarni, Kamlesh; Sahoo, Devabrata
	185	Influence of Opposing Gas Jets on Drag Reduction for a Blunt Body in Supersonic Flow	Shaikh, Farhan Naeemuddin* ; Waseem, Faria ; Sahoo, Devabrata ; Sarwar, Md Gulam ; Gupta, Punit
	120	Low Reynolds number flow over non-rectangular bluff bodies using OpenFOAM	Chourushi, Tushar* ; Fernandes , Evan
	142	Biomimetic Flapping Wing Mechanism	Pawar, Shashikant S.*



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Session 1

Parallel Session:1; Time: 2.00-3.30, Date:04/10/2024, Location:Venue 7: PLC & Automation Lab (6th Floor)

Parallel Session No	Paper ID	Title	Author
1	331	Numerical analysis of air-oil separator of single stage fixed speed oil flooded rotary screw compressor	VORA, NILESHKUMAR M *; Patel, Vivek K
	82	Displacements and Stresses in Orthotropic Beam Under Thermal Environment	Ghugal, Yuwaraj; Kulkarni, Sanjay*; Borate, Rahul; KONDEKAR, ASHISH R
	143	Review of WENO and Parallel Techniques for developing Riemann solver for moving boundary incompressible unsteady flow	Sivanandan, Vinaya*; Sonawane, Chandrakant; Jain, Ravi kant
	188	Transient chill-down analysis of a large diameter facility end-segment feedline and a cryogenic test article	Viswanath, Vishnu*; Agarwal, Deepak Kumar
	334	Effect of Bending on Performance of Axial Grooved Heat Pipe for Spacecraft Applications	Mehta, Vishwa*; Singh, V K
	277	Taguchi technique optimization of CO2 laser cutting parameters for SS 304	Sanadi, AtulKumar G*

Session 1

Parallel Session:1; Time: 2.00-3.30, Date:04/10/2024, Location:Venue 8: Mechatronics & IOT Lab (6th Floor)

Parallel Session No	Paper ID	Title	Author
1	217	An Innovative Cooling Technologies for Enhanced Efficiency of Solar Photovoltaic Panels: A Comprehensive Review	VEDPATHAK, SHANTANU BHARAT*
	222	Impact of Fe ₂ O ₃ -Water Nanofluid on Thermal Performance of Cylindrical Heat Pipes with Sintered Copper Wick	Singh, Pawan k*
	231	CFD Investigation of a Swirling Turbulent Jet in Swirl Burner	KALE, MANISH*; SHARMA, ROHIT; C Linoj, Kenneth ; Devasthali, Nikesh
	155	Emission and Performance Evaluation of 38.8 L Heavy Duty Military 12-Cylinder Turbocharged and Supercharged GDICI Engines	Varghese, Anil*; Pandey, Anand Kumar; Sonawane, Chandrakant Dr; Kumbhar, Vishal; Varghese, Kevin
	175	The effect of the cavity on the shock impingement	Dalvi, Atharva Umesh*; Paigude, Prajakta; Panhale, Vaishnavi; Kumar, Sidyant Mr.; Joshi, Sudhir; Sahoo, Devabrata

Session 1

Parallel Session:1; Time: 2.00-3.30, Date:04/10/2024, Location:Venue 9: Hydraulic & Pneumatics Lab (6th Floor)

Parallel Session No	Paper ID	Title	Author
1	192	Numerical Investigation of mixing enhancement studies in a circular scramjet combustor	Gangani, Sandip Motilal; Bajaj, Dinesh Kumar *; Sahoo, Devabrata ; Bagga, Sarveen; Nagi, Ganga Singh; Thorat, Sharanya S
	241	Innovative Multi-Propulsion System for Interplanetary Cargo Carriers: A Conceptual Design for Rapid Mars Transit	Ilapogu, Mohan Suraj*
	40	A Critical review on solar air dryers for agriculture applications	Roy, Anindita; Garse, Komal Mohan *
	171	Gear shifter fork mass optimization -a review study	Shalender Singh Bhandari
	128	Performance Assessment of an Evacuated Tube Solar Collector(ETC) Tube Combined with Thermal Storage: A Comparison of Water and Air Stagnation Temperature Conditions	Sathe, Ganesh D*; Pathak, Anagha; Jadkar, Sandesh ; Bhalla, Vishal

Session 1

Parallel Session:1; Time: 2.00-3.30, Date:04/10/2024, Location:Venue 10: Aerial Robot Lab (6th Floor)

Parallel Session No	Paper ID	Title	Author
1	271	Characterization Of Steel And Aluminium Reinforced GFRP Composites Using Mechanical Testing And Its Application To Automotive Bumper	Desai, Tushar Ravsahab*; Inamdar, Dr. Kedar ; Patil, Dr. Aniket
	276	Numerical analysis and experimental study of harpoon technology for active space debris removal	Charan, Simhadhati Venkata Sai*; saurav, avinash kumar; krishna, keerthi; Reddy, Shreya
	305	Investigating passive self balancing mechanism for enhancing stability of floating solar panels	jain, Reetu*; sriram, aditya
	31	Demonstration of End-to-End Process for a Student Developed Solid Rocket Motor	Karlekar, Chinmay*; Tidke, Rajeev; Havaladar, Sanjay; Bajaj, Dinesh Kumar
	299	Response Analysis of Li-Ion Battery capacity under the influence of vehicular excitations	Kanap, Ganesh Marutti*; Pagar, Nitin
	74	Aerodynamic Analysis on NACA 4412 airfoil for step projection using CFD Method	Shilahar, Simran S*; Mishra, Ankit Kumar



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Session 2

Parallel Session:2; Time: 3.45-5.15, Date:04/10/2024, Location:Venue 1:Data Structure & Algorithm Lab (5th Floor)			
Parallel Session No	Paper ID	Title	Author
2	254	Development of Variable Buoyancy System for remotely operated vehicles	Dhavale, Spruha*
	274	A Comprehensive Review on Applications of AI based Metaheuristics for Swarm Robotics	Nargundkar, Aniket Ravindra*; Shinde, Sarthak
	204	Conceptual Advanced Underwater Defense System for Real-Time Detection and Neutralization of Underwater Threats Using Interconnected Tracker Systems	Ilapogu, Mohan Suraj*
	41	Design and Development of Mine Detecting Robot	Biradar, Amith s*; Jadhav, Chetan; Kurbet, Ramesh
	111	USE OF ARTIFICIAL INTELLIGENCE IN ARBITRATION PROCEEDINGS	P, Sindhu*; Kamala, Devapriya V; Dharangutti, Yogesh M; Vasmatkar, Abhijit
	121	Study of the effect of sunroof size on the aerodynamic characteristics over an Ahmed body using CFD	Shaikh, Farhan Naeemuddin*; Waseem, Faria ; Sahoo, Devabrata



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Parallel Session:2; Time: 3.45-5.15, Date:04/10/2024, Location:Venue 2:Machine & Deep Learning Lab (5th Floor)			
Parallel Session No	Paper ID	Title	Author
	144	Smart grid dds detection	Selvakumar, Anuprabha S*, S, Madumidha
	193	Investigation of mechanical characteristics for shape memory alloy embedded composites by Box-Behnken Design – Response Surface Methodology	Pattar, Niranjan*; Patil, Subhas; KELAGERI, NAGARAJ
	328	Titania Nanoparticles Synthesis via Aloe-vera: A Green Approach for Wastewater Treatment	Sable, Sunil; Raul, Riddhi Sanjay; Rananavare, Vanshika Abhaysinh*; Sadavare, Aditi; Rokade, Mayur; Kale, Harshwardhan
	326	Advancements in Noise, Vibration, and Harshness (NVH) Optimization: Integrating Material Stiffness and Dynamic Analysis in Automotive and Engineering Systems	Sonawane, Pavankumar*

Session 2

Parallel Session:2; Time: 3.45-5.15, Date:04/10/2024, Location:Venue 3:Natural Language Processing Lab (5th Floor)

Parallel Session No	Paper ID	Title	Author
2	168	Design and Application of Low-Cost 1U, 2U and 3U CubeSats and Solar Sail Technology as Fuel less Propulsion	Vala, Jignesh R*; Vagadiya, Kevin; Menghrajani, Surabhi; Saini, Karnail Singh
	201	ENHANCING SOLAR SAIL DEPLOYMENT FOR SPACE EXPLORATION WITH NITINOL SMA	Jain, Aagam*; Kumar Varma, Ravi; GK, Prashant; Vaghela, Kashyap
	251	Design and Development of Novel Hybrid Composites for Marine Application	Sonawane, Pavankumar*; Chine, Shweta; Tendulkar, Shaunak; Pandey, Krishan; Jadhav, Sandip
	257	Design and Engineering Review of Metallized Film Capacitors for Sensitive Applications and Sustainable Solution	khalkar, sandeep shivaji*; Thakare, Dr. Mangesh S.
	286	Design And 3d-Printing of Elliptical Trammel System for Variable Ellipse Drafting	Patil, Ashwin Ravindra*; Gade, Samrat; Patil, Dnyaneshwari; Shinde, Renuka ; Rahane , Mayur; Komble, Sachin ; Patil, Suvarna Vijay
	166	Flute Design and Analysis for Enhanced Structural Integrity and Sustainability in Cardboard Packaging.	wagle, chandrika s*; Jamadhar, Nagendra; Bodke, Sadhana; Burande, Chaitanya G; Swamy, Surya; Kolhe, Amol
	158	A Review of the Behaviour of High- Entropy Alloys under Dynamic Loading Conditions	Robin, Ryan; CHAURASIA, ANKUR*; Kumar Singh, Sandeep



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Session 2

Parallel Session:2; Time: 3.45-5.15, Date:04/10/2024, Location:Venue 4: Cloud Computing Lab (5th Floor)			
Parallel Session No	Paper ID	Title	Author
2	161	Advancements in Autism Detection through Audio for Symptom Identification	jain, Reetu*; chugh, aarna
	302	Latency enhancement through load balancing in SDN network by evolutionary optimization paradigm for IoT data speed	Darade, Santosh Ashokrao; Pagar, Nitin Dagajji*; Bangar, Abhishek; Muddana, Akkalakshmi
	313	NPklyzer: Soil Nutritional Analysis using Visible-Near Infrared Reflective Spectroscopy and Random Forest Classifier	jain, Reetu*; Bansal, Ritisha
	315	Investigating the marble particle suction efficiency of a device using the design of the experiment	jain, Reetu*; Kalani, Kritin
	317	Development and Implementation of a Greenhouse Gas Detection System in Cattle Sheds: Addressing Environmental and Health Impacts through Sensor Technologies	jain, Reetu*; patel, ved

Session 2

Parallel Session:2; Time: 3.45-5.15, Date:04/10/2024, Location:Venue 5:Multimodal Sensor Analytics Lab (5th Floor)			
Parallel Session No	Paper ID	Title	Author
2	288	PERFORMANCE ENHANCEMENT AND ANALYSIS OF FIN TUBE HEAT EXCHANGER	Dhavane, Rushikesh D*, Shinde, Sunil; Patil, Dnyaneshwari; Sonar, Shruti; Shinde, Renuka; Gade, Samrat; Kadam, Atharv S
	292	Evaluating Material Selection for Shell and Tube Heat Exchanger : A Comprehensive Review	Shinde, Sunil; Kochari, rudra vinay*; khochare, gaurav g; kokani, siddhant; Kadam, Atharv S
	294	A Review of Design and Performance Enhancements in Plate Heat Exchangers: CFD Simulations, Nanofluids, and Scaling Dynamics	Mandare, Sahil Hemraj; Mokhadkar, Mrunal Satish*; MASTI, PRATIK SURESH; Mulchandani, Neeraj; Shinde, Sunil; Nagrale, Yash R.; Narkhede, Om; Kadam, Atharva
	295	A Comprehensive Review Of Methods Of Performance Enhancement In Spiral Heat Exchangers	Tandel, Nitesh R; Shinde, Sunil; Deore, Nishant P*; Mane, Tushar; Mhaske, Vivek Vilas; Nanekar, Apurva kumar, Amar*; kumar, Ajeet ; Raza, Md. Qaisar
	232	Pool boiling of aqueous butanol solution on an inverted heater	T.V., Smitha*; P, Nimmy; K.V. , Nagaraja
	234	Analyzing Heat Conduction in a Semi-Infinite Medium: Machine Learning Approach based on Fourier Transform	



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Session 2

Parallel Session:2; Time: 3.45-5.15, Date:04/10/2024, Location:Venue 6: Mobile Robotics Lab (6th Floor)		
Parallel Session No	Paper ID	Title Author
2	199	Numerical Study of Liquid Hydrogen Motion in Tank under Microgravity Singhal, Anant*; Aggarwal, Vishesh; Agarwal, Deepak Kumar
	228	Effect of variable viscosity on the aerodynamics of 2D triangular prism Chourushi, Tushar*; Shah, Darsh; Shinde, Supraja Pandurang ; Kulkarni, Shravani
	272	Development of an Immersed Boundary Method for Simulating Fluid Flow Over Complex Geometries Sarkar, Sudipto*
	248	Optimization and Scaling of Combustion Gas Guns for Projectile Acceleration System Patil, Vrinda K* ; Ingale, Saptanshu S; Kamble, Sidharth; Chatteraj, Tribikram; Bajaj, Dinesh Kumar
	256	EFFECT OF WARHEAD GENERATED SHOCK WAVE ON AN OPEN CAVITY Bajaj, Dinesh Kumar* ; Sahoo, Devabrata
	258	AERODYNAMIC ANALYZING FLOW PATTERN OVER A DIAMOND AIRFOIL AT DIVERSE MACH NUMBERS Bajaj, Dinesh Kumar* ; Sahoo, Devabrata



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Session 2

Parallel Session:2; Time: 3.45-5.15, Date:04/10/2024, Location:Venue 7:PLC & Automation Lab (6th Floor)			
Parallel Session No	Paper ID	Title	Author
2	169	CFD-Based Numerical Investigation of Crossflow Fan Performance	Shikalgar, Niyaj*; Deshmukh, Avinash M; Zinjurde, Vidya
	291	Optimizing Microchannel Heat Exchangers: A Critical Review of Heat Transfer Enhancement Techniques	Malsane, Akash*; Shinde, Sunil; Kothari, Yash K; Ghuge, Siddhi; Joshi, Prathmesh; Rahane, Mayur; Kadam, Atharv S
	16	"Enhancing Efficiency through the Design, Development, and Analysis of a Novel Stroke Adjustor Mechanism in Variable Displacement Pumps"	Awale, Shubham R; Khan, Subim Nabilal; Sonawane, Pavankumar*
	48	Exergy and Entropy Generation Analysis of Fully Filled Metal Foam Pipe Heat Exchanger	Jadhav, Prakash H*
	303	Analysis of metallic compensators in the context of structural integrity and thermal behavior – State of the art	Joshi, Ajit Vijay*; pagar, nitin
	165	Optimising Thermal Management in Electronic Systems: A Simulation-Based Approach	Tiwari, Anukriti*; Solke, Nitin; Joteppa, Santosh; K.R., Suresha



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Session 2

Parallel Session:2; Time: 3.45-5.15, Date:04/10/2024, Location:Venue 8: Mechatronics & IOT Lab (6th Floor)			
Parallel Session No	Paper ID	Title	Author
2	235	Computation Study on the Effect of Riblet over the Flat Plate	Kanerkar, Sumit *; Kumar, Sidyant Mr.
	246	Study of Performance Parameters of Scramjet Nozzle under Variable Expansion ratios	Thakare, Akshay Shekhar *; Bajaj, Dinesh Kumar ; Pendharkar, Dhruv
	261	Adsorption of Titan Yellow Dye Using Dry Neem Leaves Powder	Sable, Sunil*; Chauhan, Nikhilesh S; Nimkar, Kunal; Pote, Dnyaneshwari; Pawar, Sandip; Purohit, Vishal
	266	A Comparative Study of Experimental Findings with and without TIMs for Efficient Cooling in Electronics	Dhumal, Amol*; Kulkarni, Atul; Phirke, Vasant; Karvinkoppa, Mathew V
	60	Experimental Investigations on the Effect of Injector on a Gasoline Fueled Military Heavy Duty 12-Cylinder 585 kW CIDI Engine	Varghese, Anil*; Pandey, Anand Kumar; Sonawane, Chandrakant Dr; Varghese, Kevin; Kumbhar, Vishal
	88	Experimental Testing of a 3D Printed Acrylonitrile Butadiene Styrene (ABS) and Polylactic Acid (PLA) Propellant Grains for a Hybrid Rocket Engine	Siddharth, Pandi *; Bajaj, Dinesh Kumar ; Saxena, Paarth R



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Session 2

Parallel Session:2; Time: 3.45-5.15, Date:04/10/2024, Location:Venue 9: Hydraulic & Pneumatics Lab (6th Floor)			
Parallel Session No	Paper ID	Title	Author
2	24	Design And Development of An Axial Flux BLDC Motor	Kothavale , Basavraj *
	52	Design Analysis of Gear Shift Linkage system for four point suspended cabin of Heavy Commercial vehicles	Hunkeri, Rajesh Dasharath*; Sutar, Manjit; Arakerimath, Rachayya; Tale, Dr. Vithoba Tukaram; Sonawane, Pavan; Somwanshi, Pavan
	53	Design and Analysis of Spring Assisted Energy Absorbing Damper used in Automotive Application	Nesarkar, Anita Ashokrao*; Jawarkar, Nilesh ; Arakerimath, Rachayya
	216	An Automated 2D Octic Order Triangular Mesh Generator in MATLAB	T.V., Smitha* ; Saravanan, Deivanai; Sai P., Charan; K. V. , Nagaraja
	61	Computational Analysis of Aerodynamic Parameters of a Supersonic Variable Sweep Wing Missile	Chaudhari, Vedant K*; Mistry, Anjali ; Jadhav , Vidhanshu Satish ; Bajaj, Dinesh Kumar ; Gupta, Anudeep; Sahoo, Devabrata
	140	Study of the Spray Characteristics of Blends of Butanol, Butyl Butyrate with Jet A-1 Fuel.	Parab, Atharva S*; Deshmukh, Atharved; Jain, Aayushi; Patel, Yash D; Gorfad, Vijaykumar



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Session 2

Parallel Session:2; Time: 3.45-5.15, Date:04/10/2024, Location:Venue 10: Aerial Robot Lab (6th Floor)			
Parallel Session No	Paper ID	Title	Author
2	18	Design, Development and Analysis of 3D Printed Torque Adjustable Compact Gear Drive with Gear Coupling	Rohit, Parthkumar Bhagubhai*; Hole, Jitendra; Sonawane, Pavankumar
	36	A MATLAB GUI-Based Approach to Wing Design and Aerodynamic Performance Evaluation	K S, Suhas*; Cheikani, Rohit Krishna; Agarwal, Kanak; Murugaiah, Manikandan
	63	"Optimizing Compact Kinematic Linkages for Infinitely Variable Speed Drives Using 3D Printing Technologies"	Gade, Pooja Bhagwan*; Khan, Dr. Subim ; Sonawane, Pavankumar
	190	Enhanced Aerodynamic Performance of NACA 2415 Airfoil via Increment of Upper Surface Morphing Using CFD	Kabir, Arafat*; Al-Obaidi, Abdulkareem Sh. Mahdi; Wong Yen Myan, Felicia
	215	Experimentation and analysis of different parameters of a multifuel vehicle equipped with a catalytic converter	Patil, Chetanraj Dharamdas*; Malwe, Pratek D.; wagle, chandrika s; Kolhe, Amol; Chaudhari, Dr Dillip; Jadhav, Shivaji Balkrishna
	264	Parametric Analysis and Optimization of a Bi-Nozzle 3D FDM Printer	Mujawar, Faizanahmad R*; Sapkal, Sagar; Patil, Aniket



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Session 3

Parallel Session:3; Time: 1.30-3.00, Date:05/10/2024, Location:Venue 1:Data Structure & Algorithm Lab (5th Floor)			
Parallel Session No	Paper ID	Title	Author
3	154	Role of AI in improving access to justice for under-trial prisoners	S. Iyer, Hridhaya *; Kubal, Mrunmai; Dharangutti, Yogesh; Vasmatkar, Abhijit
	243	ARTIFICIAL INTELLIGENCE IN INDIAN JUDICIARY: ENHANCING JUSTICE DELIVERY AND ALLEVIATING THE BURDEN ON COURTS	Bath, Sabrina*; Dharangutti, Yogesh; Trivedi, Aarya ; Singh, Vishal
	330	Optimization of performance parameters of helical spring lock washers: A review	Pagar, Nitin Dagajj*; Saxena, Vikash; Desale, Girish; dhavalikar, mangesh



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Session 3

Parallel Session:3; Time: 1.30-3.00, Date:05/10/2024, Location:Venue 2:Machine & Deep Learning Lab (5th Floor)			
Parallel Session No	Paper ID	Title	Author
3	15	Enhancement of mechanical properties of Al 7075 by adding various reinforcements - A Critical Review	Bhatkar, Harshal Satish*; Thakare, Rohit Dinesh; Japatti, Shashank ; Kore, Dr Sandeep Sadashiv; Patil, Suhas ; Jagtap, Siddhant
	95	ENHANCING MECHANICAL AND CORROSION PROPERTIES OF ALUMINUM ALLOY REINFORCED WITH BORON CARBIDE AND TUNGSTEN CARBIDE THROUGH PLASMA-SPRAYED CERAMIC COATINGS	Nageswara Rao, Dayadi *; Koteswarrao, Singamala; Sreenivasulu Reddy , A
	146	Synthesis of High-Performance Nanocomposites Using Innovative Carbon Nanotubes Infusion Techniques	Ghotekar, Yogesh Sopan*
	148	Review paper on Design, manufacturing and characterization of bricks by using bagasse ash, bamboo Fibers, nano materials for construction.	KADAM, SARANG SHIVAJIRAO* ; Yadav, Rohit
	325	Parametric optimization on WEDM Machining Process of Shape Memory Alloy using RSM & PSO Algorithm	Pawar, Satish P* ; Ardhapurkar, Purushottam
	335	Simple Approach of the DMAIC Methodology for the Reduction of the Defects in the Injection Moulding of Acrylonitrile Butadiene Styrene Polymer	Patil, Shon D. * ; Phafat, Nitin ; Keche, Ashok
	178	Static Structural Analysis of Engine hood using Natural Hybrid Fiber Composite	Pandey, Krishan; Avthankar, Ankita; Sonawane, Pavankumar* ; Awadhani, Laxman; Navagale, Nilesh



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Session 3

Parallel Session:3; Time: 1.30-3.00, Date:05/10/2024, Location:Venue 3: Natural Language Processing Lab (5th Floor)			
Parallel Session No	Paper ID	Title	Author
3	160	Comprehensive Review, Comparative Analysis, and Iterative Scoring Process for Tracking Advances in Crop Yield Prediction Models	Nemade, Harshal K*; Jha, Shweta; Patil, Purushottam
	174	Analyzing Cricket Bowling Actions Using OpenCV and Mediapipe	Koli, Sumeet*; Bedekar, Mangesh; Apte, Rashmi; Aradhya, Sachin
	206	Innovative Machine Learning Techniques for Estimating Patient Length of Stay and Mortality Risk	Khadangale, Ish Santosh*; Palwe, Dr.Sushila
	233	A Computer Vision Approach for Analysis of Automatic Vehicle Accommodation	Kulkarni, Sheetal A*; Tiwari, Gyanendra; Jagtap, Saket; Desai, Manali
	318	Investigating Kangaroo Legs as Bioinspired Vibration Damper for Heavy Load Vibrational	jain, Reetu*; Gosain, Abeer
	198	Automatic Segmentation of Knee Tissues using MRI images: A Review of Literature	Kulkarni, Sarang*; Thengade, Anita

Session 3

Parallel Session:3; Time: 1.30-3.00, Date:05/10/2024, Location:Venue 4:Cloud Computing Lab (5th Floor)			
Parallel Session No	Paper ID	Title	Author
3	320	Design and Development of a Fecal Matter Compressive Centrifugal-based Dewatering Device	jain, Reetu*, Gupta, Daksh
	323	Evaluating the Performance of Convolutional Neural Networks and Vision Transformer Models for Galaxy Morphology Classification	jain, Reetu*, Shrivastava, Rishabha
	109	Review on Avionic of Helmet Mounted Display System	Kaamil, Md.; Priyam, Abhishek*
	134	Transformative Traffic management: Multifaceted role of AI cameras in safety and sustainability	Dharangutti, Yogesh M; Vasmatar, Abhijit; N V, Sneha*; R, Keerthana
	156	Wind Turbine Gearbox Fault Detection Based on Statistical Learning	Fareed, Mahum; Lohar, Shantanu ; Dhiman, Harsh S; Pande, Jayshree; Roy, Anindita*
	229	Comparative Analysis of Emotion Detection from Social Media Text using Machine Learning	Malavade, Vinayak N*; Giri, Virat V; Patil, Shruti ; Jadhav, Deepali S.; Borhade, Sheetal; DESHMUKH, JYOTI
	181	From Equations to Insights: The Role of Physics-Informed Neural Networks in Modelling of Physical Systems	Walambe, Rahee*; Kotecha, Ketan V; Sonawane, Chandrakant Dr; Jugade, Yash A

Session 3

Parallel Session:3; Time: 1.30-3.00, Date:05/10/2024, Location:Venue 5:Multimodal Sensor Analytics Lab (5th Floor)			
Parallel Session No	Paper ID	Title	Author
3	296	Advancements in Heat Transfer Efficiency with Phase Change Materials - A Review of Microencapsulation, Extended Surfaces, and Nano-Enhanced PCMs	Parchure, Indrajeet*; Shinde, Sunil; Kadam, Atharv S; Parkhi, Sakshi Kumar; Panchale, Maitreyee; pankey, omkar; paparkar, aryan; Kulkarni, Mukund
	127	Real Time State Estimation of Lithium-Ion Battery Systems Using Machine Learning Techniques	Garse, Komal Mohan *, Mali, Ranjit R
	275	Experimental Investigation on single cylinder four strokes Tri-charged diesel engine at different boost operating conditions	Bisane, Rajesh L.*; Bongale, Arunkumar; Kumar, Satish; Sonawane, Chandrakant Dr
	151	Thermal Analysis of Li-Ion Battery Cell Emphasis on Energy Conversion and Power Loss	Padalkar, Akshay Baban*
	47	Design of tangential inlet cyclone separators to separate solid dust particles from air with optimal operating efficiency based on CFD and experimental testing	Ispahani, Raya; jain, Reetu*
	68	Hydrodynamic force estimation for rigid particles in microchannel flows: A review	Kumar, Sruthi S*; Pawar, Nilesh D
	92	Effect of 2-D bump on the performance of the hypersonic inlet using CFD simulations.	DHOLAKIA, ANUKRUTI*; Bajaj, Dinesh Kumar; Sahoo, Devabrata



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Session 3

Parallel Session:3; Time: 1.30-3.00, Date:05/10/2024, Location:Venue 6: Mobile Robotics Lab (6th Floor)			
Parallel Session No	Paper ID	Title	Author
	290	CFD Analysis of Tapered Wings for Different Taper Ratio	Dhavane, Rushikesh D*; Sonar, Shruti; Sonwane, Abhishek; LOHAR, MILIND ANIL; Nikam, Karan; Borse, Nitin; Patil, Suvarna Vijay
	332	Numerical simulation of separator performance with a various turbulence model	VORA, NILESHKUMAR M *; Patel, Vivek K
	34	Performance of Gasoline and JP-8 Fuels in a Direct Injection Compression Ignition Supercharged Heavy Duty 12 Cylinder 585kw Engine For Commercial Application	Varghese, Anil*; Sonawane, Chandrakant Dr; Pandey, Anand Kumar; Varghese, Kevin; Kumbhar, Vishal
	265	Visualization of Shock Propagation through Hand Driven Shock Tube	Kotebavi, Vinod*
	281	Modelling and Simulation of High-Pressure Hydrogen Storage Tank with Composite Reinforcement	Kumar M, Harish *; Kavalli, Kiran; Kumar, Satish; Kodbal, Rajesh; Bongale, Arunkumar; R, Ravikumar

Session 3

Parallel Session:3; Time: 1.30-3.00, Date:05/10/2024, Location:Venue 7:PLC & Automation Lab (6th Floor)			
Parallel Session No	Paper ID	Title	Author
3	65	Evaluating the Effects of Diesel-Biodiesel-Alcohol Blends on Engine Performance and Emissions: A Comprehensive Review	Tambe, Nitin H*; Kharde, Yashwant ; Gavhane, Rakhamaji
	76	Performance evaluation of twin tube counter flow heat exchanger with W-cut twisted tape inserts in the presence of CeO2 nanofluid – A numerical study	Goda, Sreenivasulu Reddy*; Jadhav, Prakash H
	126	Modeling and Simulation of Non-Newtonian Fluid Dynamics in Complex Geometries	Mali, Ranjit R*; Garse, Komal Mohan ; Chavan, Prajakta; Mitkari, Pallavi
	139	Computational investigation of linear motor compressors for miniature pulse tube cryocoolers	Hulibandi, Abhishek H*; Relekar , Rajath J; Panda, Debashis; Singh, Vivek; Behera, Upendra
	179	Hydrodynamic Analysis of Accelerating and Decelerating Marine Nozzles	Pohekar, Sanjay; Bagade, Pramodkumar M; Khan, Md. Ayaz J.*
	191	CFD Simulations of Lid-Driven Cavity Flow with Rib Placement at Various Locations for Constant Reynolds Number	Ghamat, Shezan A* ; Sahoo, Devabrata ; Sarwar, Md Gulam ; satardekar, shruti v; Salvi, Trisha

Session 3

Parallel Session:3; Time: 1.30-3.00, Date:05/10/2024, Location:Venue 8:Mechatronics & IOT Lab (6th Floor)			
Parallel Session No	Paper ID	Title	Author
3	293	Heat Transfer Enhancement in Fin-And-Tube Heat Exchangers A Comprehensive Review on Geometric Modification and Nanofluids	Naik, Mrunmayee*; Tadas, Vadiraj; Jadhav, Om; Chaudhari, Atharva; Atole, Sandesh; Shinde, Sunil; Kadam, Atharv S
	42	Comparative analysis of different fuels used in Scramjet combustor	Sapra, Lokesh Narendra *; Bajaj, Dinesh Kumar ; Doddi, Pushpank; Parikh, Khushi; Reddy, Krishna Kandula; Sahoo, Devabrata
	103	Combustion analysis of Methalox liquid rocket engines with shear coaxial injector using various simulation models	Tilekar, Rama *; A, Afridi; Manoj, Agnel; Kulkarni, Chinmay; VISHNU, DINGARE SUNIL; Bajaj, Dinesh Kumar
	106	Numerical Study of Performance Characteristics of Dual-Fuel Hybrid Rocket Engine Using Chemical Equilibrium Analysis	Siddharth, Pandi *
	108	Review of Magnetoplasmdynamic Thrusters: An Advanced Electric Propulsion System	Ghamat, Shezan A *; Bajaj, Dinesh Kumar ; Siddharth, Pandi; satardekar, shruti v; Desai, Pratik G
	33	Analysis of Energy Conservation Measures (ECMs) using Calibrated Building Energy Simulation (BES) model	PRAJAPAT, ARVIND K *; Roy, Anindita; Pahade, Akshay; Giri, Kiran
	184	Experimental Testing of Paraffin Wax Propellant Grains in Ducted Rocket Engines with Added Additives	Siddharth, Pandi *



Session 3

Parallel Session:3; Time: 1.30-3.00, Date:05/10/2024, Location:Venue 9: Hydraulic & Pneumatics Lab (6th Floor)			
Parallel Session No	Paper ID	Title	Author
3	90	DESIGN AND DEVELOPMENT OF COLD PRESS COMPOSITE MAKING MACHINE	Mahajan, Rohini S*; Narkhede, Avantika; Sonawane, Pavankumar; Shendge, Prajwal ; Dongre, Prashant
	240	Design and Analysis of various capacity (size) Agitators for Quench Tank Application	Kamble, Pratik Sudhakar*
	242	Height Adjustable Wheelchair Solution for a Disabled Person Confined in Wheelchair	Choudhari, Dr. Dilip S.*; Malwe, Prateek; Patil , Chetanraj; Jawarkar, Dr. Nilesh ; Devshette, Prof.A.R.; Sundage, Prof.R.S.
	32	Design And Optimization Of Plastic Fuel Tank Mounting Brackets Used For Commercial Vehicle	Shete, Akshay Kashinanth; Patil, Namdev; Sonawane, Pavankumar*
	263	STUDY OF DIFFERENT TYPES OF FLOW REACTORS	Sable, Sunil; Kale, Abhishek Kalyan*; Kuranjekar , Ankush Kisanlal; Atpadkar, Dnyaneshwar Dada; Avhad, Ritesh Vilas; Barshikar, Tejas
	115	Parametric Analyses and Structural Optimization of Cellular Beam for ELTB Failure Using Squared Cell Topology	KELAGERI, NAGARAJ KISHOR; Janawade, Sanjeev A; Kumbhar, Harshvardhan Umesh*; lingannavar, Ravi G; Pattar, Nirranjan; KOUJALAGI, B. G.; Katti, Ramesh
	122	Design Analysis and Numerical Simulation of Composite Material based, Light Weight, Foldable, Man Portable Water Craft for Reconnaissance Activities in Combat Engineering Applications	Sutar, Aloukik Vijay; Ugale, Vinay Vinay*



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Session 3

Parallel Session:3; Time: 1.30-3.00, Date:05/10/2024, Location:Venue 10: Aerial Robot Lab (6th Floor)			
Parallel Session No	Paper ID	Title	Author
3	270	STATIC STRUCTURAL NON-LINEAR FINITE ELEMENT ANALYSIS OF DOUBLE FERRULE FITTING	Kore, Abhijeet Narayan; Gaikwad, Nilesh*; Manikjade, Akshay Ashok; Bhave, Dr Nikhil Aniruddha; Rathod, Pravin
	308	INVESTIGATION ON THE CONVOLUTE STRESS BEHAVIOR IN PIPING EXPANSION JOINTS UNDER INTERNAL PRESSURE	Thorat, Prajwal Arjun*; pagar, nitin
	113	Design and Fabrication of 1U Satellite for Recharging Dead Satellites using Pulsar Emissions	Sheikh, Raahil Riyaz*; Kaur, Ravleen
	207	Enhancing Mars Exploration: A Multi-Orbital CubeSat Deployment System for Advanced Data Collection and Communication	Ilapogu, Mohan Suraj*
	249	Virtual Inertia and Virtual Damping in Renewable Microgrids: Pathways to Sustainable Frequency Control	WADMARE, GANESH BHAGWANRAO*; Wadmare, Jyoti; Thakare, Dr. Mangesh S.
	252	Performance Investigations of Photovoltaic Thermal Air Collector Across Diverse Indian Climates	Hattarge, Aniket J*; Thakare, Dr. Mangesh S.



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Venue 11

Parallel Session:1; Time: 2.00-3.30, Date:04/10/2024, Location:Venue 11: Exam Conference Hall (5th Floor)			
Parallel Session No	Paper ID	Title	Author
1	156	Wind Turbine Gearbox Fault Detection Based on Statistical Learning	Fareed, Mahum; Lohar, Shantanu ; Dhiman, Harsh S; Pande, Jayshree; Roy, Anindita*
	38	Production of Environmentally-Friendly Bricks through the Incorporation of Sugarcane Bagasse Ash and Plastic Waste	D, Deepa*; D, Muthu; S, Harishankar; S, Shyam sundar
	323	Evaluating the Performance of Convolutional Neural Networks and Vision Transformer Models for Galaxy Morphology Classification	jain, Reetu*; Shrivastava, Rishabha
	114	Fabrication of Copper Reinforced Aluminium 6061-T6 Surface Composite using Friction Stir Processing	Patel, Bhargav*; Patel, Tirth; Oza, Rakesh Amrutlal; Patel, Vipul K
	153	DESIGN AND IMPLEMENTATION OF A TWO-WHEELED SELF-BALANCING ROBOT USING PID CONTROL	Oza, Rakesh Amrutlal*; Vavadiya, Kavan ; Vavadiya, Bhumi; Makvana, Narendra; Thakkar, Kamlesh
	118	A review of friction stirred aluminium graphene surface composite (FSAGSC): Microstructure evolution, properties improvement	Patel, Bhargav*; Patel, Dinesh



Venue 11

Parallel Session:2; Time: 3.45-5.15, Date:04/10/2024, Location:Venue 11: Exam Conference Hall (5th Floor)

Parallel Session	Paper ID	Title	Author
2	203	Analysis of Symmetrical and Unsymmetrical Airfoil using the Computation Fluid Dynamics Method	Vora, Dev Amitkumar*; Patel, Risha ; Fatima, Kaneez; Khan, Nashra
	116	Effect of weld metal geometries on strength of novel cruci-trap fillet welded joint	ASHVINKUMAR DAHYABHAI, PATEL*; Patel, Vijaykumar D
	224	Investigation about drying kinetics and selection of thin layer drying model for sun dried potato slices	Patel, Vijaykumar D*; Judal, Prof.K.B; BOKA, Prof. PRADIP
	117	Experimental investigation of A-479S ceramic workpiece using the magnetic abrasive finishing using bonded magnetic abrasive particles	CHAUDHARI , ASHOKKUMAR R*; Patel, Vijaykumar
	45	Performance Investigation of solar air heater assimilated with Paraffin wax having different melting temperature	Judal, Prof.K.B; Patel, Vijaykumar D*
	162	A DEEP REINFORCEMENT LEARNING-BASED AUTOMATED STOCK MARKET TRADING AGENT	Darisi, Pavani*; S, Madhumidha; S, Rajisweethaa; V, Tharun
	133	A Comprehensive Study of Industrial Standards for Failure Analysis and Preventive Maintenance of Hydrodynamic Thrust Bearings in Hydro-Electric Power Plants in the State of Maharashtra	BHAMARE, AMOL S*
	67	Dynamic simulation of gas turbine engine	Patel, Dhaval A*



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Venue 11

Parallel Session:3; Time: 1.30-3.00, Date:05/10/2024, Location:Venue 11: Exam Conference Hall (5th Floor)			
Parallel Session	Paper ID	Title	Author
3	310	Adaptive Energy-Efficient Control of IoT Wake-Up Radio Systems using Deep Reinforcement Learning and DQN Optimization	Chauhan, Naman*; G, Bharathi Mohan; Sulochana, V. ; Rangarajan, Prasanna Kumar
	66	Influence of Taper Ratio on Winglet and Non-Winglet Aerodynamics for Varying Angle of Attack using CFD Method	Verma, Pari*; Yadav, Kirti; Mishra, Ankit Kumar
	157	Experimental and Numerical Investigation for the Damping Behavior of Multi-Layered Sandwich Structure with Viscoelastic Core	Mishra, Vibhooti Narayan*; Singh, Divya Pratap; Gupta, Abhay; Mishra, Vibhooti
	301	Predicting Optimal NBA Players for Specific Positions Using KNN with Comprehensive Performance Metrics: A Detailed Analysis of Shooting, Defense, Vertical, and Dribbling Skills	Jain, Reetu*; y, tanmay
	205	ENHANCED VIOLENCE DETECTION: A HYBRID MODEL INTEGRATING YOLO AND LSTM	S, Raguvaran*
	145	Unveiling patterns: Churn Analysis in Online Education Sector using Machine Learning Techniques	B S, Sruthika*; R, Tamilvizhi; L, Sudharsan; S, Madumidha
	280	Estimation of Agri-Produce Using Deep Learning and Smart Vision by Using Prominent Feature Extraction	Jagtap, Sharad Sarjerao*
	260	Ascent stability of launch vehicle using LQR control system	Agnihotri, Pratyush*