Programme Schedule



5th International Conference on

"Recent Advances in Mechanical Engineering Research and Development (ICRAMERD-24)"

Organized by
Department of Mechanical Engineering,
Institute of Technical Education and Research
Siksha 'O' Anusandhan (Deemed to be) University
Bhubaneswar, Odisha-751030

12th to 14th December 2024

Conference website: www.icramerd.com

Inaugural Ceremony, 12th December, 2024 Venue: Bansuri guru Auditorium 1st floor ITER, SOA DU, Bhubaneswar Time: 3.00 PM to 4.00 PM

ICRAMERD-2024 SCHEDULE

Day 1, 12th December, 2024, Thursday

Date	Time (IST) GMT + 5:30	Programme
5	3.00 – 4.05	Inauguration Ceremony
h 024,	PM	Bansuri guru Auditorium 1st floor
., 12 th er 203 sday		ITER, SOA DU
1 to 2	4.05-4.15 PM	High Tea - Bansuri guru Auditorium-1 st Floor
Day Decem Thu	4:15-4:45 PM	Technical Session – I (Bansuri guru Auditorium)
ă	4:45-5:30 PM	Cultural Program

Day 2, 13th December 2024, Friday

Date	Time (IST) GMT + 5:30	Programme		
	10:50-11:20 AM	Speakers, affiliation		Dr. Prabhas Chandra Beuria, Chief Scientist CSIR-Institute of Minerals & Materials Technology, Bhubaneswar Venue: Seminar Hall, Department of Mechanical Engineering
	11:20-11:30 AM		Tea Break-Seminar F	Iall, Department of Mechanical Engineering
day	11:30-01:00 PM		Teo	chnical Session -II (TS-II)
iĘ.	01:00-02:00 PM	Lunch Break- DMS-III (Central Worksh		ak- DMS-III (Central Workshop)
Day 2, 13th December 2024, Friday	02.00 – 02.30 PM	Speakers, affiliation		Dr. Narsing Kumar Jha Assistant Professor Department of Applied Mechanics Indian Institute of Technology Delhi Online Presentation
7, 2,	02:30-04:00 PM		Technic	al Session -III (TS-III)
Day	04.00-04.15 PM		Tea Break-Seminar H	Hall Department of Mechanical Engineering
Da	04:15-04:45 PM	Speakers, affiliation		Prof. Jayadev Bala Retd. Professor, Siksha O Anusandhan Deemed to be University, Bhubaneswar Topic: Generative AI for Mechanical Engineering Research Venue: Seminar Hall, Department of Mechanical Engineering

Day 3, 14th December 2024, Saturday

Date	Time (IST) GMT + 5:30	Programme
	10:15-10:45 AM	Prof. (Dr.) Mohan Lal Kolhe Professor University of Agder, Norway Online Presentation
l, Saturday	10:50-11:20 AM	Dr. Bivas Panigrahi Assistant Professor National Chin-Yi University of Technology, Taiwan Online Presentation
Day 3, 14 th December 2024, Saturday	11:25-11:55 AM	Online Presentation Dr. Ranjit Shankarrao Patil Associate Professor Department of Mechanical Engineering, Birla Institute of Technology & Science (BITS) Pilani - K K Birla Goa Campus, GOA, India Online Presentation
Da	12.00-12.30 PM	Dr. Chanchal Loha Senior Principal Scientist Thermal, Energy Conversion CSIR-Central Mechanical Engineering Research Institute, Durgapur Online Presentation
	12:30-02:00 PM	Technical Session-IV Online (TS-IV)
	03:00-04:00 PM	Valedictory Ceremony- Bansuri guru Auditorium 1st Floor

Online link for all the keynote sessions:

https://meet.google.com/yai-utky-cna

Day 1, 12th December 2024, Thursday

Technical Session (TS)

TS-1				
Session Chair	Dr. Santosh Par	ida		
Session Coordinator	Dr. Tapaswini D	as (+91 7978231628)		
Venue:		1 st Floor, Bansuri G	Guru Auditorium, ITER	
Time (IST) GMT + 5:30	Manuscript ID Presenting Authors Name		Paper Title	
04.15 to 4.25 PM	IC24O097	SUBRAT KUMAR JENA	Boundary Characteristics Orthogonal Polynomial for Vibration Analysis of Functionally Graded Porous Beam in Kerr Elastic Foundation Using Refined Higher-Order Shear Deformation Theory	
4.25 to 4.35 PM	IC24D120	AMLAN ADARSH	Design and Development of Hexapod Spider Bot	
4.35 to 4.45 PM	IC24D046	SHASHENDRA KUMAR SAHOO	Nonlinear Analysis of Mathieu-Duffing Oscillator with Interacting Parametric and External Excitation	

Technical Session (TS)

Venue: Seminar Hall (B-201), Department of Mechanical Engineering

	TS-2(D)				
Session Chair	Dr. Santosh Nay	Dr. Santosh Nayak			
Session Coordinator	Dr. Seshadev Sa	hoo (+91 7504226308)			
Venue		Seminar Hall, Dept. of I	Mechanical Engg., ITER		
Time (IST)	Manuscript ID	Presenting Authors Name	Paper Title		
GMT + 5:30					
11:30-11:45 AM	16245025	DIN DIN DENEDA	Prediction of Seat-off towards assistance		
	IC24D035	BULBUL BEHERA	for Sit-to-Stand movement by RBFN		
11.45-12.00PM			Numerical Analysis and Optimization Technique		
	IC24D107	DR. RAJESH KUMAR BEHERA	for Reducing Emissions of Coke Oven Gas in Coke Plant		
12.00-12.15PM			Vibration Analysis and MCSA: Effective Tools for		
	IC24D085	JAY KRUSHNA MOHANTY	Health Monitoring of HT Motors in an Alumina Plant		
12.15-12.30PM			Dynamic Stability of a Thermally Influenced		
	IC24D118	MR MANABHANJAN PANDA	Beam with Parabolic Thickness and Width		
			Tapers on a Pasternak Foundation		
12.30-12.45PM			Life Enhancement in Hot Forging Dies adopting		
	IC24D042	SANGITA SARANGI	Finite Element Simulations and Failure Analysis Techniques		
12.45-01.00PM	IC240071	DR. SRIKANTA MOHAPATRA	Load Frequency Control of an Interconnected		
	10240071	DIL SILIKATA MONA ANA	Power System under load diversity and ELD		

Technical Session (TS)

Venue: Department Library (B-114), Department of Mechanical Engineering

	TS-3(T)				
Session Chair	Dr. Rabi Naraya	Dr. Rabi Narayan Panda (9437841022)			
Session Coordinator	Dr. Manojit Das	(+91 8884584025)			
Venue		Department Library, Dep	ot. of Mechanical Engg., ITER		
Time (IST) GMT + 5:30	Manuscript ID	Presenting Authors Name	Paper Title		
11:30-11:45 AM	IC24O106	SAMARJEET SATAPATHY	Suppression of low frequency oscillation by optimal mechanical steam-turbine controller		
11.45-12.00PM	IC24T119	CHANDAN KUMAR SETHI	Experimental Evaluation of Ginger in a Solar Dryer Using MWCNT and CuO Nano Materials; Application of Machine Learning Method Using Python		
12.00-12.15PM	IC24T089	KISHAN DASH	Development of Self-aspirated Porous Radiant Burner Operating on Biogas		
12.15-12.30PM	IC24T018	KISHAN DASH	Experimental and Performance Prediction of Porous Radiant Burner for Biohythane Using Machine Learning Algorithms		
12.30-12.45PM	IC24O043	REEMA NAYAK	Solvo-thermally prepared BiOI spherical micro flowers for enhanced photocatalytic degradation of Rhodamine B		
12.45-01.00PM	IC24T009	SHUBHAMSHREE AVISHEK	PERFORMANCE IMPROVEMENT OF FLAT HEAT PIPE USING STRAIGHT AND CONVEX VERTICAL WICK		

Technical Session (TS)

Venue: Seminar Hall (B-201), Department of Mechanical Engineering

	TS-4(P)				
Session Chair	Dr. Prashant Ku	Dr. Prashant Kumar Pradhan			
Session Coordinator	Dr. Sankar Nara	yan Das (+91 7008297816)			
Venue		Seminar Hall, De	ept. of Mechanical Engg., ITER		
Time (IST) GMT + 5:30	Manuscript ID	Presenting Authors Na	me Paper Title		
02:30-02:45 AM	IC24P096	SUSHMITA DASH	Flexural and Vibration Response Analysis of Cenosphere Filled Natural Fiber Hybrid Composites.		
02.45-03.00PM	IC24PC113	TEJAS KOCHE	Characterization of Jute and Bamboo Fiber Reinforced Hybrid Composites		
03.00-03.15PM	IC24O21	ANUBHAV NAIK	Sequestration of Cr (VI) over ZnFe2O4 nanoparticles: Insights from Kinetics and Isotherm Models		
03.15-03.30PM	IC24T116	ANUPAMA ROUTRAY	Effect on the rheological characteristics of fly ash water slurry due to addition of a suitable mixture of additives		
03.30-03.45PM	IC24T201	SUVASHIS NATH	Energy and Exergy Analysis of a Biomass Cooking Stove		
03.45-04.00PM	IC24T135	SHIVRAJ MOHAPATRA	Plasma pyrolysis		
04.00-04.15 PM	IC24O134	ANURAG GIRI	An overview of airbags in two wheelers		

Technical Session (TS)

Venue: Department Library (B-114), Department of Mechanical Engineering

TS-5(O)				
Session Chair	Dr. Srikant Mah	apatra		
Session Coordinator	Dr. Sangita Sara	ngi (+91 7978423214)		
Venue		Department Library, Dept	. of Mechanical Engg., ITER	
Time (IST)	Manuscript ID	Presenting Authors Name	Paper Title	
GMT + 5:30				
02:30-02:45 AM			Micro Insulin Dispenser (MID) System based on	
	IC240036	GIRIJA SANKAR PANIGRAHI	Aquila Optimization (AO) Technique	
02.45-03.00PM			Stabilisation of Inverted Pendulum System (IPS)	
	IC240037	ANUJA NANDA	based on Backstepping Control Approach	
03.00-03.15PM			PQ Improvement with PSO Fuzzy PID based	
	IC24O048	ALOK KUMAR MISHRA	SHAF	
03.15-03.30PM			GWO FOPID Controlled Cuk and SEPIC Converter	
	IC24O049	ALOK KUMAR MISHRA	based PFR	
03.30-03.45PM			Arithmetic Optimization-based PID Controller	
	IC240075	GIRIJA SANKAR PANIGRAHI	Design for a Vehicle Suspension System	
03.45-04.00PM			Multi-machine hydro turbine governor	
			controller for small signal stability enhancement	
	IC24O103	SAMARJEET SATAPATHY	of renewable penetrated power system	

Day 3, 14th December 2024, Saturday

TS-6(D)					
Session Chair	Dr. B.K. Nanda	Dr. B.K. Nanda			
Session Coordinator	Dr. Subhrajit Be	ura (+91 9861805100)			
Link		https://meet.google.	com/vkt-axat-xda		
Time (IST)	Manuscript ID	Presenting Authors Name	Paper Title		
GMT + 5:30					
12:30-12:45 PM	IC24D028	SHASHENDRA KUMAR SAHOO	Non Linear Responses of Pipe Transporting Fluid with External Harmonic Excitation		
12.45-1.00PM	IC24D032	PRITISHA BARIK	Polypropylene(PP) /Rice Starch Film for		
	10240032	FINITISTIA BANIK	Packaging Application		
1.00-1.15PM			Compressive Characterization of Different		
	IC24O100	ANKIT SAMAI	Chemical Treated Banana Leave Fiber for		
	10240100	AIVINI SAIVIAL	Potential Reinforcement in Polymer		
			Composites		
1.15-1.30PM	IC24D052	TANU SINGH ,	Analysis of G+6 Flat in Zone 4 by using ETABS		
	10240032	AYUSH SONI	Software		
1.30-1.45PM			Bezier Curve Optimisation Using Genetic		
	IC24D072	AYUSHMAN JENA	Algorithm for Bell Shape Nozzle Contour		
			Design.		
1.45-2.00PM			Determination of dynamic characteristics of a		
	IC24D109	DR. PULAKESH CHETIA	Rotating Kink Cantilever Tapered Shape		
			Flexible Robotic Link		

Day 3, 14th December 2024, Saturday

	TS-7(T)				
Session Chair	Dr. Rajesh Kumar Behera				
Session Coordinator	Mrs. Rajeswari	Chaini (+91 7205696699)			
Link		meet.google.com/	/fry-bcmh-hcd		
Time (IST) GMT + 5:30	Manuscript ID	Presenting Authors Name	Paper Title		
12:30-12:45 PM	IC24T026	ASISH SARANGI	Comparative Analysis of Nanofluid Thermohydraulic Performance in Three-Fluid Helical Coil Heat Exchangers		
12.45-1.00PM	IC24T027	ABHISEK SARANGI	Enhancing Solar Cooker Efficiency: Comparative Analysis of Selective Coatings on Performance		
1.00-1.15PM	IC24T117	BABITA SINGH	Optimization of performance parameters of a CI engine using biodiesel-diesel blend		
1.15-1.30PM	IC24T062	SANJAYA KUMAR MISHRA	Thermodynamic analysis of a low heat rejection compression ignition engine in dual fuel mode using biogas with diethyle ether as a fuel additive		
1.30-1.45PM	IC24T079	KARTHIK SILAIPILLAYARPUTHUR	Optimum pipe size selection for various fluids and flow rates		
1.45-2.00PM	IC24P112	SATYABRATA BARIK	Multi-Criteria Decision-Making of EDM Parameters for Incoloy 800HT Alloy with Morphological Study		

	TS-8(P)				
Session Chair	Dr. Ankur Soam				
Session Coordinator	Dr. Premananda	Pradhan (+91 7008726144)			
Link	http://meet.goo	ogle.com/mzu-zmwc-kmo			
Time (IST)	Manuscript ID	Presenting Authors Name	Paper Title		
GMT + 5:30					
12:30-12:45 PM			Trajectory Planning of Aristo Robot using		
			Robomaster Simulation and Particle Swarm		
	IC24P066	SUPRIYA SAHU	Optimization		
12.45-1.00PM			Statistical Investigation of Power		
			Consumption in Dry Turning of Stir-Cast		
	IC24P067	DR. SMITA PADHAN	Al7075-SiC-Gr Metal Matrix Composites		
1.00-1.15PM			Investigation and Ranking of the Solutions to		
	IC24P076	TITAS NATH	Barriers in Solar Power Projects in India		
1.15-1.30PM			Comparative Analysis of Flow Stress		
			Distribution in CM247LC Superalloy During		
	16240077	CHANTA CHAKDADADTV	Hot Deformation: A Study Using Gleeble		
4 20 4 45004	IC24P077	SHANTA CHAKRABARTY	3800 GTC and Q-Form 3D Simulation		
1.30-1.45PM			Natural Fiber Reinforced Composite		
	10240100	DD CMITIDLIDA DDADLIANI	Materials for Asbestos Free Brake Pads: A		
1 4F 2 00DN4	IC24P108	DR. SMITIRUPA PRADHAN	review		
1.45-2.00PM	IC24P095	DR. BIRAJENDU PRASAD SAMAL	Fuzzy Logic Implementation for Evaluating		
	1C24P095	DK. BIKAJENDU PKASAD SAMAL	the Impact of Tensile Strength on Al-Mg Alloy Using Modified Stir Casting Technique		
			Alloy Using Modified Stir Casting Technique		

	TS-9(O)				
Session Chair	Dr. Debasmita N	Mishra			
Session Coordinator	Dr. Pragyan Pat	naik (+91 8249049110)			
Link		https://meet.goo	gle.com/psc-cdfi-cfz		
Time (IST)	Manuscript ID	Presenting Authors Name	Paper Title		
GMT + 5:30					
12:30-12:45 PM			An Experimental study of Carbon onions to		
		1. PVS SUBHASHINI	improve Tribological Characteristics of SAE15W40		
	IC240003	2. PRASANNA LAXMI KONAM	Lubricating Engine Oil		
12.45-1.00PM			3DOFPID Controller for the Stability of Multi Area		
			Realistic Hydro Thermal Power System with the		
	IC24O040	CH. NAGA SAI KALYAN	HVDC Line		
1.00-1.15PM			Coordinated Strategy of BES and SSSC for the		
			Improvement in Load Frequency Control of the		
	IC240041	CH. NAGA SAI KALYAN	Power System under FOPID Controller		
1.15-1.30PM		SAMAPIKA SAMADARSANI	Bearing capacity Prediction of Micropile		
	IC240045	KARAN	Developing Multi Variable Regression Model		
1.30-1.45PM			Assessment of Mechanical Properties of		
	IC24O050	MR. ANANT KUMAR	Sustainable Concrete using Waste Tyre		
1.45-2.00PM		DISHA SAHU,	To investigate the mechanical characteristics		
	IC240053	SAHIL KUMAR RATRE	of Geo-polymer concrete using fly ash & slag		

TS-10(O)			
Session Chair	Dr. Prabhat Ranjan Pati		
Session Coordinator	Dr. Ajay Kumar	Behera (+91 8917442278)	
Link		meet.google.co	om/sfq-yozh-mhv
Time (IST)	Manuscript ID	Presenting Authors Name	Paper Title
GMT + 5:30			
12:30-12:45 PM			A Low-Cost Approach for Power Generation
			Improvement of Solar PV Arrays during Non-
	IC24O054	V V S NARAYANA YIRRINKI	Uniform Irradiances
12.45-1.00PM			Development Of Sustainable Concrete Using
	IC24O055	MR. ANANT KUMAR	Ceramic Waste and Industrial Waste
1.00-1.15PM			Detection of Wind Turbine False Alarms with
	IC24O056	KUSUMA GOTTAPU	Machine Learning Techniques
1.15-1.30PM			Integration Of Iron Ore and Fly Ash for
	IC24O059	SANJIVANI JAIN	Stabilization of Soft Soil
1.30-1.45PM		DHAWAL SAHU, MEENAKSHI	Mechanical Properties of Concrete Having Rice
	IC24O060	VISHWAKARMA	Husk Ash as Substitute of Cement
1.45-2.00PM			Comparative study of fly ash concrete, silicon
			magnesium slag concrete, and normal
	IC24O061	ASHWIN J NAIR	concrete

TS-11(O)			
Session Chair	Dr. Akshya Kumar Verma		
Session Coordinator	Dr. Tanmayee Khuntia (+91 9437672050)		
Link	https://meet.go	ogle.com/kuq-etyy-fic	
Time (IST)	Manuscript ID	Presenting Authors Name	Paper Title
GMT + 5:30			
12:30-12:45 PM			Integration Of Additives for Stabilisation of Flyash
	IC24O063	AJAY YADAV	Based Soil In Subgrade
12.45-1.00PM			Experimental Investigation of Plastic material as
	IC24O064	DEVENDRA SAHU	partial replacement of cement in concrete
1.00-1.15PM			Characterisation and Evaluation of Mortar Properties
	IC24O065	SUBHAM MISHRA	with Copper slag and Steel slag
1.15-1.30PM			Demonstrating the Impact of Power System
			Realistic Constraints on the Performance of Load
	IC24O068	CH. NAGA SAI KALYAN	Frequency Control
1.30-1.45PM			Stabilization Of Black Cotton Soil Using Fly Ash &
	IC240073	RUPESH SAHU	Lime
1.45-2.00PM			Evaluation of Dielectric and Conductivity Behavior
			in (Sn _{0.9} Ti _{0.1})O ₂ Ceramic Composite for Electronic
	IC240081	LIMALI SAHOO	Devices

TS-12(O)				
Session Chair	Dr. Priyadarshi Tapas Ranjan Swain			
Session Coordinator	Dr. Sikata Sama	Dr. Sikata Samantaray (+91 9692719910)		
Link	https://meet.go	ogle.com/qmr-pgyw-yqp		
Time (IST)	Manuscript ID	Presenting Authors Name	Paper Title	
GMT + 5:30				
12:30-12:45 PM		ADITYA FARENDRA,	Impact of Mechanical Property of	
		CHANDRAKUMAR SAHU,	Concrete having Waste Marble as	
	IC240083	TARUN YADAV	Sustainable Material	
12.45-1.00PM			Exploring Structural and optical	
			characteristics of lead zinc niobate	
	IC240084	DIGVIJAYSINH CHAUHAN	(PZN) modified bismuth ferrite	
1.00-1.15PM			Synthesis, characterization and	
			antibacterial activity of CeO2	
			nanoparticles derived from Spilanthes	
			acmella leaf extract: Effect of	
	IC24O090	LIPSA RAY	calcination temperature	
1.15-1.30PM			Enhancing Crop Yield Prediction Using	
	16240004	LAVAALCACIVLINAAD	a Cascaded LSTM-RF Model: A Robust	
4 20 4 45014	IC24O094	LAXMI SASIKUMAR	Approach for Agricultural Planning	
1.30-1.45PM			Evaluating GRC Models for Effective	
	IC24O092	CH. NAGA SAI KALYAN	Load Frequency Control in Multi-Area Thermal Systems	
1.45-2.00PM	10240092	CH. IVAGA SAI KALTAIN	·	
1.45-2.001101			Impact performance of hybrid	
	100 45 005	CACANIVA WAWATI	GLARE having Kevlar layers under	
	IC24D087	SASANKA KAKATI	multiple low-velocity impacts	

Technical Session (TS) (ONLINE)

		TS-13(O)		
Session Chair	Dr. Subhrajit Ray	1		
Session Coordinator	Dr. Sankar Naray	Dr. Sankar Narayan Das (+91 7008297816)		
Link	https://meet.go	ogle.com/vfh-bico-opn		
Time (IST)	Manuscript ID	Presenting Authors Name	Paper Title	
GMT + 5:30				
12:30-12:45 PM			Assessment of Crack Conditions in	
			Concrete Gravity Dams: A	
			Comprehensive Mapping Study Using	
	IC24D086	SANTI BEHERA	RCD-WD and USBM-4S	
12.45-1.00PM			Exploring Structural and Dielectric	
			Insights in 0.1ZnWO₄-0.9TiO₂ for	
	IC24O121	SUBHANGI KALINGANI	Advanced Electronics	
1.00-1.15PM			Shear Failure Analysis of Multi-Bolted	
			Joints of Hanger Bracket: A Numerical	
	IC24D014	VIVEK KUMAR VERMA	and Theoretical Approach	
1.15-1.30PM			The properties of Ti-6Al-4V alloy in	
	IC24P102	Dr SAURABH DEWANGAN	post-quenched conditions	
1.30-1.45PM			The failure of bolted/riveted joints for	
	IC24T013	VIVEK KUMAR VERMA	industrial application: Review	
1.45-2.00PM			CHARACTERIZATION OF TEXTILE	
			WASTE/GLASS FIBRE HYBRID	
			COMPOSITE MATERIAL FOR	
	IC24P105	DEBASMITA MISHRA	INDUSTRIAL USE	

Day 3, 14th December 2024, Saturday

Technical Session (TS) (ONLINE)

TS-14(O)				
Session Chair	Dr. Jibitesh Panda			
Session Coordinator	Dr. Sasmeeta Tr	Dr. Sasmeeta Tripathy (+91 7008564515)		
Link		https://meet.google	e.com/ccq-smvy-ryg	
Time (IST)	Manuscript ID	Presenting Authors Name	Paper Title	
GMT + 5:30				
12:30-12:45 PM			Co-relating cutting force, tool wear and chip	
			thickness of centrifugally cast tool with HSS M2	
	IC24P093	SHUBHASHREE MOHAPATRA	tool	
12.45-1.00PM	IC24O069	MOHAMMAD JAHIDUL ALAM	Green and Stabilized Nanogold in Eucheuma	
			Seaweed for Reactive Azo catalysis	
1.00-1.15PM	IC24O124	SASMITA MOHAPATRA	"Knowledge, Attitude, Practice for Smart Phone	
			Disposal." A Study in Odisha.	
1.15-1.30PM	IC24D129	RAKESH MULIK	Enhanced Energy Management in Full Parallel	
			Hybrid Electric Vehicles: An Integrated Testing	
			and Mathematical Modeling Approach	
1.30-1.45PM	IC24P123	T RAVITEJA	Effect of Zn interface during Electric Discharge	
			Machining of AZ91D/Al7075 FGMs Fabricated	
			through Gravity Casting Dear Author	
1.45-2.00PM	IC24P122	T RAVITEJA	A Study on Electric Discharge Machining of	
			Al7075/AZ91D With and Without Interfacing	
			Foil	
2.00-2.15 PM	IC24P111	PRAJAPATI NAIK	Study of Dry Sliding Wear Behaviour of Bio-char	
			Reinforced Composite under Different	
			Constraints	

Day 3, 14th December 2024, Saturday

TS-15(O)				
Session Chair	Dr. Swayam Bikash Mishra			
Session Coordinator	Dr. Manojit Das	Dr. Manojit Das (+91 8884584025)		
Link	https://meet.	google.com/egr-jkve-gof		
Time (IST)	Manuscript ID	Presenting Authors Name	Paper Title	
GMT + 5:30				
12:30-12:45 PM	IC24D024	BHAKTI SUDHA NAYAK	3D printing of a molar tooth and force analysis using Ansys	
12.45-1.00PM	IC24P128	SAMBEET KUMAR SAHU	Impact of Dry Friction Stir Processing on Microstructure, Micro-hardness and Tensile Characteristics of Mg-Al-Zn Alloy	
1.00-1.15PM	IC24P127	DR. SOUMYAJIT DAS	Synergizing Experimental and Numerical Approaches to Enhance Mechanical Strength in Friction Stir- Welded Industrial-Grade Aluminum Alloys	
1.15-1.30PM	IC24T202	RITESH DASH	Integrating High-Dimensional Quadratic Regression with Penalties Based Predictive Modeling for Hydro Power Plants Accurate Tariff Prediction	
1.30-1.45PM	IC24T203	RAJARAM MOHANTY	Performance Evaluation of a Heat Exchanger in a Fluidized Bed Gasifier	
1.45-2.00PM	IC24O133	BIBHUTI BHUSAN SAHOO	Experimental exploration of NiFe2O4/rGO nanocomposite electrode material for supercapacitor applications	

TS-16 (O)				
Session Chair	Dr. Ruby Mishra			
Session Coordinator	Dr. Debashis De	Dr. Debashis Dey (+91 7606987405)		
Link	meet.google.co	m/pxq-wqpc-xst		
Time (IST)	Manuscript ID	Presenting Authors Name	e Paper Title	
GMT + 5:30				
12:30-12:45 PM	IC24P125	SAMBIT SENAPATI	Evaluation of M30 Grade Concrete's Performance by Using Sugarcane Bagasse Ash, Marble Powder, and Glass Fiber as Partial Replacement of Fine Aggregate	
12.45-1.00PM	IC24P126	BIBHUTI BHUSAN SAHOO	Parametric Investigation of Dry Turning of Ti6Al4V with Double Tempered Cryogenic Treated Cutting Inserts: A Novel Hybrid Taguchi-ARAS-Walrus Optimization approach	
1.00-1.15PM	IC24T131	AMAN KUMAR PANIGRAHY	An experimental study towards synthesis, characterizing, and electrochemical measurement of Co3O4/rGO nanocomposite supercapacitor electrode	
1.15-1.30PM	IC24P130	BIBHUTI BHUSAN SAHOO	Comparative Evaluation of Process Parameters of WEDM Machined AISI P20 Steel Using Taguchi-WASPAS and White Shark Optimization	
1.30-1.45PM	IC24T132	IMINA UPASANA	Developing and characterizing of microsphere- shaped-flower-like NiCo-LDHs/rGO nanocomposite for supercapacitor electrode: An experimental Study	
1.45-2.00PM	IC24D114	RUBY MISHRA	Deep learning for automatic lesion segmentation of lever on CT-scan images	