NCRTST'25
Paper Presentation Schedule
Timing: 2:10 pm onwards, 29th March, 2025

Track	Sl. No.	Title of the accepted paper:	Communicating author:	Choice of presentation:	Name of the Presenting author/ Registered author:	Faculty Coordinator of the Track	Student Coordinator/s of the Track	Date, time & Venue
CE	1	A Short Note on Structure of Turbulent Boundary Layer	Dr. Bikash Chandra Mandal	Off-line/physical mode	Dr. Bikash Chandra Mandal	Devyani Subba	Abir Ganguly & Toushali Saha Roy	29th March, 2025, 2:10 pm onwards, Civil Engineering Department, JGEC
	2	Utilization of Rice Husk Ash for Soil Improvement: A Sustainable Solution	Amit Golder	On-line mode	Aishik Manna			
	3	Recent Advancements in Pile Foundation with AI Tools: A Comprehensive Review	Kausik Bera	On-line mode	Soumen Mondal			
	4	Speed-Flow-Density relationship of traffic movement in urban area: A case study	Dr. Debasish Das	On-line mode	Dr. Debasish Das			
	5	DURABILITY OF ALKAI ACTIVATED CONCRETE: A REVIEW	Abhishek Naskar	On-line mode	Aman Patel			
CSE	1	Solving 0-1 Knapsack Problem with variants of Genetic Algorithm	Ranjit Kumar Mandal	On-line mode	Ranjit Kumar Mandal	Animesh Hazra	Diptesh Karmakar & Urnisha Paul	29th March, 2025, 2:10 pm onwards, Computer Science & Engineering Department, JGEC
	2	Sustainable Internet of Things: A Case Study	Soumyadeep De	Off-line/physical mode	Soumyadeep De			
	3	Quantum Computing and Molecular Stability: A new Frontier in Drug Discovery	Dr. Tuli Bakshi	On-line mode	Shirsha Nag			
					Pubali Ray			
					Spandan Das			
					Mohore Mukhopadhyay			
					Prakriti Ghosh			
					Shirsha Nag			
	4	Blockchain-Based Mobile Location Tracking System: A Secure and Decentralized Approach	Saptaparnee Saha	Off-line/physical mode	Saptaparnee Saha			
	5	Multiclass classification of Alzheimer's Disease using Deep Learning	Rounak Koner	On-line mode	Sohan Chakma			
	6	Multiclass Classification for Brain Tumor Using Transfer Learning	Hemanta Dey	On-line mode	Rohit Mondal			
	7	Study of Few-Shot Learning: Application and Effectiveness over Traditional Machine Learning	Spandan Bhattacharya	Off-line/physical mode	Spandan Bhattacharya			
	8	Enhancing Colorectal Cancer Classification using Tree-Structured Parzen Estimator Algorithm	Purba Kundu	Off-line/physical mode	Purba Kundu			
	9	Automated quality evaluation of fishes with image enhancement and machine learning techniques by uniquely constructed Datasets	Bhaskar Nandi	On-line mode	Bhaskar nandi			
	10	Secured Crowdfunding System using Hardhat and Blockchain	Bedagranee Ghosh	Off-line/physical mode	Bedagranee Ghosh			
	11	AN IOT BASED SUSTAINABLE ENERGY EFFICIENT AUTOMATED LIGHTING SYSTEM	Soumyadeep De	Off-line/physical mode	Soumyadeep De			
	12	Survey on Modern Deep Learning Optimization Techniques	Urnisha Paul	Off-line/physical mode	Urnisha Paul			
	13	A Comparative Analysis of Bayesian Optimization and Traditional Hyperparameter Optimization Methods: A Survey	Mannu Kumar Verma	On-line mode	Prem Kumar Oraon			
ECE	1	COMA Patient Monitoring System using Internet of Things (IoT)	Arpan Ghosh	On-line mode	Arpan Ghosh	Maitreyee Biswas	Souhardya Deb - & Arijit Mitra	29th March, 2025, 2:10 pm onwards, Electronics & Communication Engineering Department, JGEC
	2	Traffic Control System using Internet of Things(IoT)	Souvik Ghosh	On-line mode	Souvik Ghosh			
	3	Automated Tumour Detection and Classification in Medical Imaging	Mr. Archisman Kundu	On-line mode	Mr. Archisman Kundu			
					Miss. Kasturi Das			
	4	Soil Image Classification Using 1D Convolutional Neural Network with Flatten-Dropout Layer	Ranadip Munda	Off-line/physical mode	Aniket Das			
	5	Assessing Health and Daily Activity Patterns in Elderly Populations: A Monitoring Study	Manoj Kumar Khan	On-line mode	Manoj Kumar Khan			
	6	4.5GHz Notched Rectangular 5G Microstrip Patch Antenna Design Using Artificial Neural Network Based Modelling	Arijit Mitra	Off-line/physical mode	Arijit Mitra			
	7	Development of Real-Time Image Processing Frameworks for Smart Traffic Systems	Biswajit Basak		Biswajit Basak			
	8	Design and Implementation of a Low-Cost Smart Egg Incubation System	Dr. Somak Karan	On-line mode	Shrizita Chakraborty			
	9	ADAPTIVE NOISE CANCELATION SYSTEM USING LMS ALGORITHM.	Soumen Mallick	Off-line/physical mode	Arpan Maity			
	10	Optimization of MOSFET behaviour in monolayer BP	Soham Chakraborty	Off-line/physical mode	Soham Chakraborty			
	11	Real-time Noise Suppression Method of Audio Signal	Prerona Das	On-line mode	Prerona Das			
	12	Development of a FPGA-Based Timing Sequence Generator with MOSFET-Driven Nanosecond Pulse Precision for Cold Collision Experiment	Sourasish Mitra	Off-line/physical mode	Sayantan Pal			
	13	Influence of Physical Parameters on Drain Characteristics of n-Channel MOSFETs	Alokesh Mondal	Off-line/physical mode	Swagata Khuntia			
	14	Systematic Review on Role of Machine Learning in development of Perovskite Solar Cell	Himadri Sekhar Das	On-line mode	Sarad Jana			
EE	1	LOAD FLOW SOLUTION OF A RADIAL DISTRIBUTION NETWORK	Suvankar Khanra	Off-line/physical mode	Suvankar Khanra	Pritam Dey	Adrika Dutta , Parag De, & Kaustav Das	29th March, 2025, 2:10 pm onwards, Electrical Engineering Department, JGEC
	2	Design, Modelling and Simulation of Quasi-Resonant Flyback Converter with Power Factor Correction	Sujoy Karmakar	Off-line/physical mode	Dipayan Saha			
	3	A Brief Review on Functionalities and Aspects of DC Microgrid	Nilanjan Banerjee	Off-line/physical mode	Shreyashi Dasgupta			
	4	SIMULATION OF GRID CONNECTED PV SYSTEM	SUBHADWIP DEY	Off-line/physical mode	SUBHADWIP DEY			
	5	Comparative Study of Time-Series Transformation Methods for Diagnosis of Bearing Faults in Three-Phase Squirrel Cage Induction Motor	Arka Bhattacharjee	Off-line/physical mode	Arka Bhattacharjee			
			Anindya Basu		Anindya Basu			
	6	Signal Processing for Induction Motor Faults: Spectrogram Conversion of Current Waveforms	Apratim Banerjee	On-line mode	Apratim Banerjee			
	7	Towards Accurate Bearing Fault Diagnosis in Motors: Identifying the Best Image Conversion Technique	SUVANKAR CHAKRABORTY	Off-line/physical mode	SUVANKAR CHAKRABORTY			
	8	mage-Based Bearing Fault Detection in 3-Phase Induction Motors with Markov Transition Field	MD AKHIRUZZAMAN	Off-line/physical mode	MD AKHIRUZZAMAN			
	9	Finite Element Analysis of Voltage and Electric Field Distribution on High-Voltage Disk Insulators with Contamination Effects	Bikram Mandal	Off-line/physical mode	Bikram Mandal			
	10	Solution of Hydro-Thermal Scheduling Problem using Metaheuristics Optimization	Sandip Ojha	On-line mode	Amritajaakatak Roy			
	11	SVPWM BASED SPEED CONTROL OF INDUCTION MOTOR WITH THREE LEVEL INVERTER USING V/F CCONTROLLER	Avishek Bhunia	Off-line/physical mode	Shibananda Mukherjee			
IT	1	A Robust Biometric Template Protection Scheme using Fuzzy Vault Cryptography	SOMENATH DHIBAR	Off-line/physical mode	SANKHAMIT DATTA	Somenath Dhibar	Sagnik Chakraborty & Tuhina Chanda	29th March, 2025, 2:10 pm onwards, Information Technology Department, JGEC
			Tuhina Chanda		Sankhamit Datta			
			SOMENATH DHIBAR		SANKHAMIT DATTA			
ME	1	ANALYSIS OF 3D-PRINTED POLYLACTIC ACID (PLA) POLYMER CHAINS: DESIGN, SIMULATION, AND MECHANICAL PERFORMANCE	Saptarsi Patra	Off-line/physical mode	Saptarsi Patra	Satyajit Das Karmakar	Akash Pal & Sudiksha Basu Thakur-	29th March, 2025, 2:10 pm onwards, Mechanical Engineering Department, JGEC
	2	Application of Blockchain Technology in Supply Chain Management: A Case Study on Petroleum Industry	Ankan Mandal	Off-line/physical mode	Ankan Mandal			
	3	SUPER-CRITICAL AND ULTRA SUPER-CRITICAL THERMAL STEAM POWER PLANTS - ADVANTAGES AND CHALLENGES	Sudipta Dutta	Off-line/physical mode	Sudipta Dutta			
	4	Selection of Sustainable Cutting Fluid Using Multi Criteria Decision Making	Arnab Mondal	Off-line/physical mode	Arnab Mondal			
	5	Sustainable Supplier Selection in the context of Circular Economy	Subhojit Ghosal	Off-line/physical mode	Subhojit Ghosal			
	6	GREEN HYDROGEN : A NEW ALTERNATIVE GREEN ENERGY IN NORTH BENGAL ,INDIA	Parthib Halder	Off-line/physical mode	Parthib Halder			
	7	Energy and Exergy Analysis of Vapour Compression Refrigeration System with Low-GWP Based Nanorefrigerant	Pritam Dey	Off-line/physical mode	Somrik Banerjee			
	8	ANALYSIS OF BREAKDOWN OR REACTIVE MAINTENANCE OF ELECTRICAL DISCHARGE MACHINE (EDM) TO MAKE IT OPERATIONAL	Surojit Das	Off-line/physical mode	Surojit Das			
	9	Numerical Analysis of Flow characteristics of a NACA0017 Airfoil	Satyajit Das Karmakar	Off-line/physical mode	Sanket Dalal			
	10	Numerical Simulation of combustor for biogas gasification	MOUMITA ROY	Off-line/physical mode	Moumita Roy			
	11	Thermoelastic Vibration And Resonance Study Of Rotating Sigmoid Functionally Graded Conical Shell Using Campbell Diagram	Subhajit Dey	Off-line/physical mode	Subhajit Dey			

Note: Track-wise Google meet links for on-line paper presentation will be shared by the respective track co-ordinators in the Whatsapp group before the event.

Team NCRTST'25, JGEC