

**ICRAMEN 2025
Presentation Schedule**

Day 1 Session: 1		Track: Transformation in Engineering			
Sr. No.	Paper ID	Title of paper	Date & Time	Session Coordinator	Link for Presentation
1.	ICRAMEN_2025_012	Review on Steel Beam Structures with Web Openings	16 th May 2025 11.00 am onwards (As per Indian Standard Time)	Mr. Kiran Beldar Mob: 9370874701 kiranb@sjcem.edu.in	meet.google.com/pov-gjtu-vup
2.	ICRAMEN_2025_027	Comparative analysis on Black Spot Identification and Prediction Using Machine Learning Techniques			
3.	ICRAMEN_2025_034	Effect of building construct in up stream of AL Kut Barrage on Flood hazard by using 1D HEC-RAS			
4.	ICRAMEN_2025_035	Comparative analysis on Accidental Spot Identification and Prediction for Urban roads Using Machine Learning Techniques			
5.	ICRAMEN_2025_036	Analysis and Prediction Model for Black Spot Identification Using Machine Learning Techniques			
6.	ICRAMEN_2025_037	Mitigation of Road Accidents in Expressways using a Novel Approach			
7.	ICRAMEN_2025_038	Prediction Model for Crash Zone Identification for Urban Road Using Machine Learning Techniques			
8.	ICRAMEN_2025_040	Estimation of Scour at a Bridge Planned to Be Built North of Al-Kut Barrage By Using HEC-RAS Model			
9.	ICRAMEN_2025_047	Study of Response of Horizontal and Vertical Irregular RC Structures Using Non-Linear Time History Analysis			
10.	ICRAMEN_2025_050	Analytical Investigation of Shear Lag Effect on Unsymmetrical High Rise Building			
11.	ICRAMEN_2025_053	Improving Integrated Water Resources Management in Wasit Governate			
12.	ICRAMEN_2025_054	Comparative Analysis of Seismic Responses in Reinforced Concrete Buildings with Conventional Vs. Alternative Infill			
13.	ICRAMEN_2025_055	Evaluating of the Seismic Vulnerability of Infill Masonry wall as Diagonal Strut component of R/C Structures			
14.	ICRAMEN_2025_056	Effect Of Bracing on Seismic Fragility of Reinforced Structure			

Day 1 Session: 2		Track: Material Science and Nanomaterials			
Sr. No.	Paper ID	Title of paper	Date & Time	Session Coordinator	Link for Presentation
15.	ICRAMEN_2025_001	Enhancing Diesel Engine Performance through Nanoparticle-Infused Fuel Blends	16 th May 2025 11.00 am onwards (As per Indian Standard Time)	Mr. Sangam Rane 9421924417 sangamr@sjcem.edu.in	meet.google.com/yaz-rcet-xkt
16.	ICRAMEN_2025_007	Effects of Hygrothermal Aging on the Flexural Properties of Steel Single-Lap Adhesive Joints in Marine Applications			
17.	ICRAMEN_2025_010	Development and Optimization of Flexible Ultrasonic Phased-Array Probes for Enhanced Inspection of Complex-Shaped Components			
18.	ICRAMEN_2025_024	Methylene Blue (Mb) Removal from Aqueous Solution by Electro-Coagulation (Batch and Continuous Modes)			
19.	ICRAMEN_2025_031	Mechanical Characterization and Optimization of Spot Welding Parameters on Advanced High Strength Steel (AHSS) Joints			
20.	ICRAMEN_2025_067	Device Parameters Optimization of Organic Solar Cell by Mean of SCAPS-1D Simulation			
21.	ICRAMEN_2025_077	A Finite Element Approach to Investigate the Structural Behavior of Composite Laminates			
22.	ICRAMEN_2025_080	Numerical analysis of Nacre inspired orientation of glass fiber/epoxy and carbon fiber/epoxy composite material			
23.	ICRAMEN_2025_081	Effect of Friction Material and Additives on Brake Application			
24.	ICRAMEN_2025_083	A Comprehensive Review on Al6061-Based Composites Reinforced with TiB ₂ & Cr ₂ O ₃ : Fabrication to Performance evaluation			
25.	ICRAMEN_2025_090	Innovative Teeth Implant Methods: Review of Conventional Approaches and Introduction to Zirconia Implants			
26.	ICRAMEN_2025_100	A Comprehensive Review on Austenitic and Martensitic Stainless Steels: Properties, Processing and Performance			
27.	ICRAMEN_2025_111	Productivity Enhancement and Water Quality Analysis of Triangular Solar Still using Recycled Material			
28.	ICRAMEN_2025_122	Impact of Chromium Doping on Copper Nickel Spinel Nano Ferrites			
29.	ICRAMEN_2025_123	Influence of concentration ratio on thermophysical properties of graphene oxide based nanofluid for solar thermal application			

Day 1 Session: 3		Track: Production and Manufacturing Processes			
Sr. No.	Paper ID	Title of paper	Date & Time	Session Coordinator	Link for Presentation
30.	ICRAMEN_2025_002	Review of the design concept & manufacturing of dip tube cutting machine	16 th May 2025 11.00 am onwards (As per Indian Standard Time)	Mr. Sagar Patil 8237414182 sagarrp@sjcem.edu.in	meet.google.com/gxm-kavs-ber
31.	ICRAMEN_2025_003	Evaluating the efficiency of micro end mill tools and performance metrics in micro milling			
32.	ICRAMEN_2025_107	Performance Assessment of Indian Reinsurers Using SBM-DEA and Malmquist Approach			
33.	ICRAMEN_2025_008	Design and fabrication of IOT based multipurpose agricultural machine			
34.	ICRAMEN_2025_009	Design & fabrication of steering system for go-kart			
35.	ICRAMEN_2025_016	Design and fabrication of power transmission system (go-kart)			
36.	ICRAMEN_2025_018	Design & Analysis of Go-Kart Chassis			
37.	ICRAMEN_2025_019	Design and fabrication of Path Tracking Automated waste management system			
38.	ICRAMEN_2025_020	A Comparative Analysis of Suspension Systems in Electric Vehicles			
39.	ICRAMEN_2025_043	Advancements in Cotton Feeder Technology for Improved Performance and Sustainability			
40.	ICRAMEN_2025_061	Critical Success Factors for Implementation of Lean Six Sigma in Small and Medium Enterprises – A Literature Review			
41.	ICRAMEN_2025_065	The Investigation of Multiple Sampling Techniques to Minimize Consumer and Producer Risk Probability assessment.			
42.	ICRAMEN_2025_074	Impact Of Water Absorption On Tensile Properties On Waste Tire Rubber Particle Filled Epoxy Composites			
43.	ICRAMEN_2025_082	Investigation of the Effects of Submerged Arc Welding Parameters on Bead Geometry of E250 Mild Steel			
44.	ICRAMEN_2025_085	CNN Integrated System For Real Time Gear Defect Assessment			

Day 2 Session: 1		Track: Transformation in Engineering			
Sr. No.	Paper ID	Title of paper	Date & Time	Session Coordinator	Link for Presentation
45.	ICRAMEN_2025_057	Comparative Analysis of Seismic Response Reduction of Building With and Without Base Isolation (Lead rubber bearing, Elastomeric Bearing, Friction Pendulum System)	17 th May 2025 11.00 am onwards (As per Indian Standard Time)	Mr. Uday Prajapati 9158346678 udayp@sjcem.edu.in	meet.google.com/pov-gjtu-vup
46.	ICRAMEN_2025_059	The Impact of Recent Upstream Dams Constructed on the Iraqi Darbandikhan Dam in Drought Conditions			
47.	ICRAMEN_2025_064	Integrated Water and Agricultural Management: Kharaj Principles of Imam Ali ibn Abi Talib (PBUH)			
48.	ICRAMEN_2025_066	An Innovative Gadget for Safety of Senior Citizen & Women			
49.	ICRAMEN_2025_069	Efficiency Evaluation of General Insurance Companies: A Data Envelopment Analysis based Study			
50.	ICRAMEN_2025_075	Study Of Intelligent System to Detect Faulty Joint-Reducer In Multi-Joint Industrial Robots			
51.	ICRAMEN_2025_078	Design Of Industrial Steel Building with Different Types of Bracing for Seismic Conditions			
52.	ICRAMEN_2025_102	Optimized Charging Strategies and Energy Consumption Analysis for Electric Buses: Enhancing Grid Stability and Sustainable Public Transport			
53.	ICRAMEN_2025_103	Optimized Ship Routing Algorithm			
54.	ICRAMEN_2025_112	Actuation Mechanisms in Robotic and Prosthetic Hands: A Comprehensive Review of Technologies and Trends			
55.	ICRAMEN_2025_115	Immersive Fitness: The Impact of VR/AR-Based Training on Physical Performance and Motivation Attainment of Program Outcomes in Outcome Based Education			
56.	ICRAMEN_2025_117	Assessing the Impact of a Digital Treatment Workflow in Implant-Based Dental Restorations			
57.	ICRAMEN_2025_118	Comprehensive Study on Torsional and Fatigue Failures in Transmission Components of Stacker Reclaimers			
58.	ICRAMEN_2025_121	An Ergonomic Approach of a Dual-Purpose Stick and Chair for Urban and Rural Applications			

Day 2 Session: 2		Track: Production and Manufacturing Processes			
Sr. No.	Paper ID	Title of paper	Date & Time	Session Coordinator	Link for Presentation
59.	ICRAMEN_2025_093	Fatigue Analysis of 3D-Printed PETG using a Hybrid Experimental and Finite Element Approach	17 th May 2025 11.00 am onwards (As per Indian Standard Time)	Mr. Vivek Narnaware 9923971788 8483937997 (WhatsApp No) vivekn@sjcem.edu.in	meet.google.com/yaz-rcet-xkt
60.	ICRAMEN_2025_106	A Comprehensive Review on the Influence of Fused Deposition Modelling Process Parameters on the Structural and Functional Attributes of Fabricated Components			
61.	ICRAMEN_2025_109	Design and fabrication of Manual Roller Bending Machine			
62.	ICRAMEN_2025_110	Optimization Of Friction Stir Welding Parameters for Joining Aluminum Alloys 6061 & 6082			
63.	ICRAMEN_2025_116	Design, Fabrication, and Analysis of a Compound Die for Blanking and Piercing Operations.			
64.	ICRAMEN_2025_119	Design and Fabrication of a Six Degree of Freedom Robotic Manipulator			
Track: Solid Mechanics and Modeling					
65.	ICRAMEN_2025_022	Finite Element Analysis of trans-tibial prosthetic socket			
66.	ICRAMEN_2025_033	Development of wirenet fencing machine			
67.	ICRAMEN_2025_044	Finite Element Analysis of Beam-Column Joint Under Torsional Effect by Wind Load			
68.	ICRAMEN_2025_072	Analysis of variable cross section composite pressure vessel			
69.	ICRAMEN_2025_076	Structural and Modal Analysis of Unwind Turret in Roto Gravure Printing Machine			

Day 2 Session: 3		Track: Thermal Engineering and Fluid Mechanics			
Sr. No.	Paper ID	Title of paper	Date & Time	Session Coordinator	Link for Presentation
70.	ICRAMEN_2025_017	Conical shape receiver tube of parabolic trough collector	17 th May 2025 11.00 am onwards (As per Indian Standard Time)	Mr. Chirag Kale 9970805852 chiragk@sjcem.edu.in	meet.google.com/gxm-kavs-ber
71.	ICRAMEN_2025_023	Recent Advancements and Sustainable Approaches in Vapor Adsorption Colling Technologies			
72.	ICRAMEN_2025_025	Dimensional Optimization of the Receiver Pipe in a Parabolic Trough Collector with Integrated Thermal Storage using CFD and the Taguchi Method			
73.	ICRAMEN_2025_026	Experimental study of solar parabolic trough collector by varying heat Transfer fluid			
74.	ICRAMEN_2025_039	Determination of heat transfer coefficient of sco2 flowing in an inclined cavity using CFD approach			
75.	ICRAMEN_2025_060	Parametric Performance Analysis Of Nozzle Jet Spray Condensers For Sugar Vapor Condensation Using Matlab Simulation			
76.	ICRAMEN_2025_062	Comparative study of CFD simulation of flow boiling in heated pipe and subchannel of Nuclear reactor.			
77.	ICRAMEN_2025_063	Optimization Techniques For Multi Nozzle Jet Spray Condensers A Comprehensive Performance Study			
78.	ICRAMEN_2025_070	A Critical Review of Heat Transfer through Curved Tubes of Non-Circular Cross Section			
79.	ICRAMEN_2025_071	A Comparative Study of Experimental and CFD Investigations on Heat Transfer to Newtonian Fluid Flow through Helical Coils of Circular and Square Cross Sections			
80.	ICRAMEN_2025_087	CFD-based performance evaluation of ship propeller for different blade angles			
81.	ICRAMEN_2025_097	Enhancing gas turbine performance by compressor inlet air cooling method			
82.	ICRAMEN_2025_101	Optimizing Cooling Performance in Work Roll and Backup Roll Bearings with Experimental Computational and Industrial Approaches			