

6 – 7 February 2025

Oral Presentation Schedule

Oral Presentation - 1	
Date: 06-02-2025	
Time: 02.00 – 04.30pm IST	
ID	Paper Title and Authors
MAT 1012	<i>RADIUS BOUNDS OF CERTAIN SPIRAL-LIKE FUNCTIONS OVER CONVEX DOMAINS</i> R.Ambrose Prabhu, P.Tharaniya, S.Prema, S.Karpagam, R.Ravikumar, G.Ashwin Prabhu
MAT 1041	<i>AI-POWERED STRUCTURAL CRACK DETECTION FOR BUILDINGS USING YOLO CLASSIFIERS</i> C. Thilagavathi, Barathi.S, Deebika.C, Initha.M, Kamala Lakshmi Priya.M.A
MAT 1047	<i>Interactive GUI for Real-Time Brain Tumor Detection Using Classic Image Processing</i> Yeshwanth K, Yuvaraj M and Sakthi Prabha R
MAT 1070	<i>Enhancing Underwater Defense Operations: Application of the Cockroach Swarm Algorithm for Efficient Surveillance and Reconnaissance</i> Harini P and Lalitha Ramachandran
MAT 1076	<i>Redening Encryption Standards: Key Generation with Non-Invertible Rhotrices</i> Gnanachandra P, Ananda Priya B, Seenivasan M, Gilbert Rani M
MAT 1093	<i>Towards Evaluation of the Efficiency of Electric Locomotives 3VL80 S on the Mountain Section of the Railway</i> Oleg Ablyalimov
MAT 1094	<i>Towards a Study of the Efficiency of Using Locomotives on the Mountain Section of the Railway</i> Oleg Ablyalimov
MAT 1095	<i>Robotic Distribution Management System for Enhancing Efficiency through Autonomous Robotic Collaboration</i> Edwin Benny, Ivan Sunit Rout, Umesh V, Mourya K, Rajiv Sudhanshu, Alwin Salmon, Sahana Arulanandam
MAT 2005	<i>Survey-Based Analysis of Shampoo Usage and Consumer Behavior Using Statistical Tools</i> T. Greeta, G. Jayalalitha
MAT 2006	<i>Analysis Of Bank Shares Using Fractional Brownian Motion</i> R Saranya and G.Jayalalitha
MAT 2050	<i>Graceful digraphs from Paley difference set</i> Kumudakshi and Smitha G V
MAT 2046	<i>Analyzing ESCD-Number for Unique Graph Structures</i> G. Mahadevan, K. Priya and C. Sivagnanam

Oral Presentation – 2 (Parallel Session)

Date: 06-02-2025

Time: 02.00 – 04.30pm IST

ID	Paper Title and Authors
MAT 1089	<i>On Strong Metric Dimension of the Methane Molecular Graph Using Resolving Sets</i> P.Tharaniya, R.Ambrose Prabhu, R.Ravikumar, R.Rajalakshmi, G.Ashwin Prabhu
MAT 2010	<i>Computational analysis of dual absorber MASnI₃/RbGeI₃ materials for hybrid solar cells</i>
MAT 2006	<i>Analysis Of Bank Shares Using Fractional Brownian Motion</i> R Saranya and G.Jayalalitha
MAT 1089	<i>On Strong Metric Dimension of the Methane Molecular Graph Using Resolving Sets</i> P.Tharaniya, R.Ambrose Prabhu, R.Ravikumar, R.Rajalakshmi, G.Ashwin Prabhu
MAT 2010	<i>Computational analysis of dual absorber MASnI₃/RbGeI₃ materials for hybrid solar cells</i> Syed M. Hasnain, Abid Iqbal, M. Amin Mir, Ahmad M. I. Saleh and Irfan Qasim,
MAT 1065	Performance Analysis of a Single Server Queueing Model with Working Vacation, Reneging and Balking Customers and with Unreliable Server M. Seenivasan, V. Anita, V.J. Chakravarthy and K. Sakthivel
MAT 1066	Single Server Markovian Queueing Model with Differentiated Vacations using Matrix Geometric Method M. Seenivasan, S. Pandisaranya and R. Ramesh
MAT 2049	An Expedition into the Corona Covering Number of Cyclic Snake Graphs Niveditha P, G. Mahadevan and C. Sivagnanam
MAT 2051	A Polynomial Generalization of the TCC Domination Number S. Kaviya, G. Mahadevan, and C. Sivagnanam
MAT 2052	Solicitation to Optimal Fire Station Placement in Modern Towns via Classical Power Networks using Corona Domination G. Mahadevan, L. Praveenkumar, C. Sivagnanam and M. Vimala Suganthi
MAT 2015	<i>Air Pollutant Data Analysis of Tirupati using WEKA</i> B. Sarojamma, K. Murali , N. Madhavi Latha and S.Venkatramana Reddy
MAT 2045	<i>Distribution fitting models for Atmospheric data</i> S.Venkatramana Reddy, K. Harish, P.Vishnu Priya and B.Sarojamma

Instructions for Oral Presentation

- The timing for the presentation is **08 min only**, so keep things brief.
- The session chair will notify you two minutes before the end of your given time limit so that you can wrap things up accordingly.
- Each paper presenter will get 10 minutes, 08 minutes for presentation, and 2 minutes for feedback and Q&A.

6 – 7 February 2025

Oral Presentation - 3	
Date: 07-12-2023	
Time: 11.00 am – 01.00 pm IST	
ID	Paper Title and Authors
MAT 1052	<i>A Simple and Facile Quantification of Cysteamine by the Electrocatalysis of Gold Nanoparticles and Molecular Docking Studies</i> Agraja P S, Maanas B, Anjana P, Gowri P Kumar, Devika D, Anju R and Rejithamol R
MAT 1075	<i>Formation, Structure analysis and Antibacterial activities of Manganese (II), Iron (II) and Cobalt (II) complexes with 2- N- (1, 2- diphenyl-ethanone oxime)</i> M. Amin Mir, Syed M Hasnain, Kim Andrews, Ajay Singh
MAT 1099	<i>Synthesis and Characterization of Molybdenum Oxide for Supercapacitor Applications</i> Lakshmi Priya. N, Kilari Naveen Kumar, Sheik Abdul Sattar, Kotian Akshata Chandrakant, Ashok Reddy G V
MAT 2007	<i>Advancing Vital Health Efficiency through Ubidots with Personalized Recommendations and Remedies</i> K Indumathi, P Arulmozhi, S Parameswaran, Pavithran G, Priyadharshini N, Jegan S
MAT 2003	<i>Structural Electrochromic Properties of WO₃ and CeO₂/WO₃ films for smart windows Applications</i> Ashok Reddy G V, Kilari Naveen Kumar, Sheik Abdul Sattar, Hitha D Shetty, Kotian Akshata Chandrakant, Lakshmi Priya. N
MAT 2039	<i>Enhancing Safety Mechanisms for Motorcycles: Weight and Helmet Detection</i> Marimuthu C N, Jaswanth T, Keerthivarman S, Koushik K
MAT 2044	<i>Synthesis of Gold-Silver Alloy Nanoparticles Using Nanosecond and Femtosecond Laser Irradiation</i> Siti Masyithah, Muhandis Shiddiq, Yessie Widya Sari
MAT 1084	<i>Physical Properties of Homologous Series of a Ferroelectric Liquid Crystal and its Dependence on Number of Non-chiral Side Carbon Atom</i> Amrita Mukherjee and Surjya Sarathi Bhattacharyya

Instructions for Oral Presentation

- The timing for the presentation is **08 min only**, so keep things brief.
- The session chair will notify you two minutes before the end of your given time limit so that you can wrap things up accordingly.
- Each paper presenter will get 10 minutes, 08 minutes for presentation, and 2 minutes for feedback and Q&A.

6 – 7 February 2025

Oral Presentation - 4	
Date: 07-02-2025	
Time: 2.00 – 4.30 pm IST	
ID	Paper Title and Authors
MAT 1017	<i>Dynamic characterisation studies on the stiffness and damping of Magnetorheological Elastomer smart Torsional vibration isolator</i> Praveen Shenoy Kaup, Nagaraja Kamath, Rajesh, Prakash S T, Sandesh Kumar Rai, Vinod, Anarghya Ananda Murthy, Gangadharan Kalluvalappil, Shrinivasa Mayya
MAT 1044	<i>Evaluation of Electromagnetic Radiation in Private and Governorate Secondary Schools in Najaf and Kufa Cities, Iraq</i> Rafal Mohamed Abdulsada, Lubna A.Alasadi
MAT 1074	<i>Analysis and Optimization of Reverse Macro EDM using Taguchi method</i> Ganesh Dongre, Shreya Raut, Omkar Rasal, Rhutu Kulkarni, Rudrabhishek Choudhury, Atharva Salunkhe, Sunil Shinde
MAT 1092	<i>Comparative Study of MRI coils Design for MRI Imaging System</i> Joseph Raj P.L, Ramjan Begam A, Vinothini V R, Sasikala, Saranraj N and Sakthisudhan K
MAT 2002	<i>Design of Modified Ackermann Steering System for Formula Student Vehicle</i> Jash Patel, Sarjan Pandya, Kaushik Patel, Dhaval Shah and Absar Lakdawala
MAT 2033	<i>Design and Performance Analysis of 3-Bit Flash ADC using 90nm and 18nm CMOS Technology</i> Megha N, Prajwal Raikar, Bhuvan Hande H, Deviprasad A V, R Sachin Shetty
MAT 2034	<i>Design And Implementation Of A Two Stage Operational Amplifier Using gm/Id Technique For 555 Timer</i> Ashwin Kumar, Ujwal P Shetty, Deekshith S, Y Prathama Naik, Vinayak mulimane
MAT 2004	<i>Deformation Behavior and Microstructural Evolution of Ti-6Al-4V Alloy Fabricated by SLM</i> Mujahid Abbas, Junxia Lu, Xiaopeng Cheng, Fida Ullah
MAT1059	<i>The Effect of SS304 Micro-Interlayer on the Anisotropy of WAAM Manufactured Low Carbon Steel</i> Vivek Babu and Jinu Paul

Instructions for Oral Presentation

- The timing for the presentation is **08 min only**, so keep things brief.
- The session chair will notify you two minutes before the end of your given time limit so that you can wrap things up accordingly.
- Each paper presenter will get 10 minutes, 08 minutes for presentation, and 2 minutes for feedback and Q&A.

6 – 7 February 2025

Oral Presentation – Present Only	
Date: XX-XX-XXXX	
Time: XX – XX	
ID	Paper Title and Authors
MAT 3004	<i>AI-Driven Approach for Real-Time Bone Fracture Detection in Medical Imaging</i> Swetha S, Y Prudhvi Sai Raj, Domala Venkata Lakshmi Karthik, S Vishnu Teja, Bandi Chandana, Santhiya S
MAT 3005	<i>Automated Retinal Vessel Segmentation Using Deep Learning: Advancing Ophthalmic Imaging and Diagnostics</i> Libika G, Bondhala Amrutha, Gayatri R, R Pranusha, Divya Dharshini M A, Reddychirlavenkataramana
MAT 3006	<i>Blockchain-Based Secure Communication in Vehicular Ad-Hoc Network</i> Karthikraja M, Aakash R, Sumanth S, T Vimal, Kamalidine Munivardhan, Vetriridharan S
MAT 3007	<i>Deep Learning for Intracranial Hemorrhage Classification: A Medical Imaging Approach</i> Gopinath M, A Sruthi Rosiline, Sarvesh T, Gonugunta Venkata Balaji, Doddavaram Venkata Sai Sravan, Kanishma S
MAT 3008	<i>Geo-Spatial Analysis for Biodiversity Conservation: Strategic Planning and Decision-Making</i> Selvakumar K, Rohan Kumar S , Bala P , Suriya L, Pranesh P, Miraclin Dafne M
MAT 3009	<i>Efficient Real-Time Object Detection in Video-Streams Using Optimized Deep Learning Models</i> SV Janani, P Karthik Keshava Reddy, K Chris Nicholas Vachan Deep, E Shashank, Parthasarathy A, Lokesh Kumar S
MAT 3010	<i>GIS and Satellite Imagery for Effective Water Resource Management</i> Libika G, Niranjana S, Ranish R, Hima Deepthi. jale, Ajay A, Praveen Raja
MAT 3011	<i>Image Denoising Using Wavelet Transform and Genetic Programming</i> E Yuvaraj, Muppirala Hithesh babu, Vennelakanti Sai Monika, P Keerthananjani, B Pragna sree, K Himaja f
MAT 3012	<i>Mining Genomic Data for Identifying Genomic Markers</i> Selvakumar K, Challa Bhargav Reddy, Naramreddy Baby Keerthi reddy, Tirumalasetty Nithin Babu, Fathima Zufidha M, Bandi Chandana
MAT 3013	<i>Optimizing Consensus Mechanisms in Distributed Computing with PBFT Protocol</i> Gopi A, S Harikaran, R Madesh, Jeevan Sai, M Abinaya, Deepan TA
MAT 3014	<i>PolypDetect: A Deep Learning Framework for Automatic Colon Polyp Detection</i> Gopinath M, Giridharan G, S Srithulasi, Pavithra B, Karthikeyan A, Malathy R
MAT 3015	<i>RhythmNet: A Deep Learning Framework for Arrhythmia Classification</i> Nivetha G, Sandhya S, T Naveen, CH Chandra Naga Sai Kumar, Bogolu Chaithanya, S Lavanya
MAT 3016	<i>Predictive Analytics for Diabetes: Leveraging Big Data and Machine Learning Models</i> Gopi A, S Jayashri, C. Ganesh Rahul, Sajin Akash M, Sureka M, Yaashica S V

Instructions for Oral Presentation

- The timing for the presentation is **08 min only**, so keep things brief.
- The session chair will notify you two minutes before the end of your given time limit so that you can wrap things up accordingly.
- Each paper presenter will get 10 minutes, 08 minutes for presentation, and 2 minutes for feedback and Q&A.