

### General Instructions:

1. All the mentioned time are **Gulf Standard Time**.
2. Everyone should attend all the Keynote sessions **to receive the presentation /participation certificate**.
3. The **attendance sheet will be downloaded from MS Teams** before and after each Keynote session. The participants are requested to join 5 minutes before the Keynote sessions and **don't leave/join the Keynote sessions in between**, unless otherwise some internet issues are there.
4. The Inauguration, Keynote Sessions, and Valedictory are scheduled through MS Teams.
5. The symposium has 5 parallel sessions. The Talks of Mini-Symposiums are scheduled through Google Meet Links 1-3 and the Paper presentation sessions are scheduled through Google Meet Links 4-5.
6. Link wise Speaker/Paper presentation details are available in this document.
7. Please contact the Link in-charge if you find any difficulties to join the sessions.

**Link K:** [https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_ZDAxOTAyNDUyY2ZjOC00ZDIkLWFhNGQtZDQ2OTBiNTEwYzQx%40thread.v2/0?context=%7b%22Tid%22%3a%22a6de9407-2d24-407d-81e6-941b053c301a%22%2c%22Oid%22%3a%22a0a795e2-d276-4b10-8ff8-7ea83f429dd8%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZDAxOTAyNDUyY2ZjOC00ZDIkLWFhNGQtZDQ2OTBiNTEwYzQx%40thread.v2/0?context=%7b%22Tid%22%3a%22a6de9407-2d24-407d-81e6-941b053c301a%22%2c%22Oid%22%3a%22a0a795e2-d276-4b10-8ff8-7ea83f429dd8%22%7d)

**Link 1:** <https://meet.google.com/wob-uozm-kuy>

**Link 2:** <https://meet.google.com/zvt-wwjr-fhn>

**Link 3:** <https://meet.google.com/jsq-dqtc-tng>

**Link 4:** <https://meet.google.com/tcy-xeaa-gbc>

**Link 5:** <https://meet.google.com/bwz-bkfg-oed>

**For Physical Participants:** The address is Canadian University Dubai, HUB building. Once you arrive at the location, you need to proceed to the Incubator room for Registration, Inauguration and Keynote. Hall 1 will be the same location as keynote. Hall 2 will be Room No 101. All physical participants need to be there by 9:30 to register and be present for the inauguration.

**Day 1: 23-March-2024**

09:40-10:00	Inauguration	<a href="#"><u>Link: K</u></a>
10:00-10:45	<b>Keynote 1</b>	<a href="#"><u>Link: K</u></a>
	High Tea	
11:00-13:00	Mini-Symposium on <b>Mathematical Modelling and Numerical Simulation</b> <b>Differential Equations and Numerical Methods</b> <b>Fluid Mechanics</b> <b>Mathematical Sciences and Applications</b> Paper Presentations (ISAMS001-008) Paper Presentations (ISAMS009-016) Paper Presentations (ISAMS017-024)	<a href="#"><u>Link: 1</u></a> <a href="#"><u>Link: 2</u></a> <a href="#"><u>Link: 3</u></a> <b>Offline</b> <a href="#"><u>Link: 4</u></a> <a href="#"><u>Link: 5</u></a> <b>Offline</b>
13:00-14:30	Lunch	
14:30-15:15	<b>Keynote 2</b>	<a href="#"><u>Link: K</u></a>
15:15-15:30	High Tea	
15:30-17:30	Mini-Symposium on <b>Algebra</b> <b>Analysis</b> <b>Applied Science and Engineering</b> Paper Presentations (ISAMS025-032) Paper Presentations (ISAMS033-041)	<a href="#"><u>Link: 1</u></a> <a href="#"><u>Link: 2</u></a> <a href="#"><u>Link: 3</u></a> <a href="#"><u>Link: 4</u></a> <a href="#"><u>Link: 5</u></a>
19:30-21:30	Conference Dinner at Dhow Marina Cruise	

**Day 2: 24-March-2024**

10:00-10:45	<b>Keynote 3</b>	<a href="#"><u>Link: K</u></a>
10:45-11:00	High Tea	
11:00-13:00	Mini-Symposium on <b>Statistics</b> <b>Operations Research</b>	<a href="#"><u>Link: 1</u></a> <a href="#"><u>Link: 2</u></a>
13:00-14:30	Lunch	
14:30-15:15	<b>Keynote 4</b>	<a href="#"><u>Link: K</u></a>
15:20-15:40	Valedictory	<a href="#"><u>Link: K</u></a>
15:40-16:00	High Tea	

Program Details of **Link K** is available on page number **3** of this document.

Program Details of **Link 1** is available on page numbers **4-5** of this document.

Program Details of **Link 2** is available on page number **6** of this document.

Program Details of **Link 3** is available on page numbers **7** of this document.

Program Details of **Link 4** is available on page numbers **8-9** of this document.

Program Details of **Link 5** is available on page numbers **10-11** of this document.

Program Details of **Offline sessions** is available on page numbers **12-13** of this document.

## Link K

Link K: [https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_ZDAxOTAyNDUyY2ZjOC00ZDlkLWFhNGQtZDQ2OTBiNTEwYzQx%40thread.v2/0?context=%7b%22Tid%22%3a%22a6de9407-2d24-407d-81e6-941b053c301a%22%2c%22Oid%22%3a%22a0a795e2-d276-4b10-8ff8-7ea83f429dd8%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZDAxOTAyNDUyY2ZjOC00ZDlkLWFhNGQtZDQ2OTBiNTEwYzQx%40thread.v2/0?context=%7b%22Tid%22%3a%22a6de9407-2d24-407d-81e6-941b053c301a%22%2c%22Oid%22%3a%22a0a795e2-d276-4b10-8ff8-7ea83f429dd8%22%7d)

In-charge: Dr. R. Sivaraj (+91 9585184460)

### Day 1: 23-March-2024

09:40-10:00	Inauguration
10:00-10:45 Keynote 1	<b>Prof. Farrukh Mukhamedov, UAE University, Al Ain, UAE</b> <i>Genetic algebras: Classical &amp; Quantum</i> Chair: Dr. Firuz Kamalov, Canadian University Dubai, UAE
10:45-11:00	High Tea
13:00-14:30	Lunch
14:30-15:15 Keynote 2	<b>Prof. Rajen Kumar Sinha, IIT Guwahati, India</b> <i>Two-scale composite finite element method for heat equations in nonconvex polygonal domains</i> Chair: Prof. S. Srinivas, VIT-AP University, Amaravati, India
15:15-15:30	High Tea

### Day 1: 24-March-2024

10:00-10:45 Keynote 3	<b>Dr. Noor Fadiya Binti Mohd Noor, University of Malaya, Malaysia</b> <i>Some studies on blood nanofluid flows, the applications and challenges</i> Chair: Dr. Dharmendra Tripathi, NIT Uttarakhand, India
10:45-11:00	High Tea
13:00-14:30	Lunch
14:30-15:15 Keynote 4	<b>Prof. Lamberto Rondoni, Politecnico di Torino, Torino, Italy</b> <i>Fluctuation theorems and response theory</i> Chair: Prof. B. Rushi Kumar, VIT Vellore, India
15:20-15:40	Valedictory
15:40-16:00	High Tea

## Link 1

Link 1: <https://meet.google.com/wob-uozm-kuy>

In-charge: Ms Shikha Saxena ([shikhas.ma.23@nitj.ac.in](mailto:shikhas.ma.23@nitj.ac.in))

	<p>Mini-Symposium on <b>Mathematical Modelling and Numerical Simulation</b> Organizing Chairs: <b>Dr. M. Sankar, UTAS – Ibri, Sultanate of Oman</b> <b>Dr. Maimouna AlMunthari, UTAS – Ibri, Sultanate of Oman</b></p>
11:00-11:20	<p><b>Dr. M. Mallikarjunaiah, University of Texas, Corpus Christi, USA</b> <i>Modeling Fracture in Porous Elastic Solids in the Context of Implicit Constitutive Theories</i></p>
11:20-11:40	<p><b>Dr. Devaraju Narayanappa, ASFST, Finland</b> <i>Modelling the benefits of reduction in synthetic nitrogen policy on the ecosystem carbon and biodiversity</i></p>
11:40-12:00	<p><b>Dr. Shankar B M, PES University, Bangalore, India</b> <i>Hydrodynamic stability: an overview</i></p>
12:00-12:20	<p><b>Dr. M. Sankar, UTAS – Ibri, Sultanate of Oman</b> <i>Optimization of Entropy Generation in Finite Enclosures</i></p>
12:20-12:40	<p><b>Dr. Maimouna AlMunthari, UTAS – Ibri, Sultanate of Oman</b> <i>Numerical Study of Vortex-Induced Vibration on Free Oscillation Cylinder at Low Reynolds Numbers</i></p>
12:40-13:00	<p><b>Dr. Keerthi Reddy N, UNIST, South Korea</b> <i>Enhancing battery thermal performance through advanced thermal management with nanofluid cooling</i></p>
	<p>Mini-Symposium on <b>Algebra</b> Organizing Chair: <b>Dr. Ibrahim Nonkané, Université Thomas Sankara, Burkina Faso</b></p>
15:30-16:00	<p><b>Dr. Ibrahim Nonkané, Université Thomas Sankara, Burkina Faso</b> <i>A kind of Howe duality</i></p>
16:00-16:30	<p><b>Prof. Celestin Lele, Université of Dschang, Cameroun</b> <i>Residuated lattices and residuated multilattices with applications</i></p>
16:30-17:00	<p><b>Prof. Bakary Manga, Université Cheikh Anta Diop, Sénégal</b> <i>On Cartan-Schouten metrics on Lie groups</i></p>
17:00-17:30	<p><b>Prof. Emmanuel Fouotsa, The University of Bamenda, Cameroon</b> <i>X-Superoptimal Pairings on Some Elliptic Curves with Odd Prime Embedding Degrees</i></p>

**Day 2: 24-March-2024**

	<b>Mini-Symposium on Statistics</b> Organizing Chair: <b>Dr. Raghaw Raman Sinha, NIT Jalandhar, India</b>
11:00-11:30	<b>Prof. K. Karthikeyan, Vellore Institute of Technology, Vellore, India</b> <i>Solving Flow shop Scheduling problems by Artificial Neural Network Algorithm</i>
11:30-12:00	<b>Dr. M. S. Kadyan, Kurukshetra University, Kurukshetra, India</b> <i>Utilizing Hesitant Normal Fuzzy Sets for Comprehensive Performance Analysis of Repairable Systems</i>
12:00-12:30	<b>Dr. Chandra Shekhar, BITS Pilani, Rajasthan, India</b> <i>Will be updated shortly</i>
12:30-13:00	<b>Dr. Raghaw Raman Sinha, NIT Jalandhar, India</b> <i>An Evaluation on the Estimation of Ratio and Product of Two Population Means</i>

Link 2: <https://meet.google.com/zvt-wwjr-fhn>

In-charge: Mr Sumit (+91 86838 56779)

**Day 1: 23-March-2024**

	<b>Mini-Symposium on Differential Equations and Numerical Methods</b> <u>Organizing Chairs</u> <b>Dr. Sukhjit Singh, NIT Jalandhar, India</b> <b>Dr Mohammad Zafar, NIT Jalandhar, India</b>
11:00-11:30	<b>Dr. Sukhjit Singh, NIT Jalandhar, India</b> <i>Convergence of Newton's Method and its Higher Order Variants</i>
11:30-12:00	<b>Dr Mohammad Zafar, NIT Jalandhar, India</b> <i>Expansion of a wedge of non-ideal gas into vacuum</i>
12:00-12:30	<b>Dr. Asit Saha, Sikkim Manipal Institute of Technology, India</b> <i>Application of the Theory of Dynamical Systems in Plasma Waves</i>
12:30-13:00	<b>Dr. H. Thameem Basha, UNIST, South Korea</b> <i>Machine Learning Prediction for Fluid Flow Modeling</i>
	<b>Mini-Symposium on Analysis</b> <u>Organizing Chairs</u> <b>Dr. V. Madhu, Vellore Institute of Technology, Vellore, India</b> <b>Dr. K. Kalaivani, Vellore Institute of Technology, Vellore, India</b>
15:30-16:00	<b>Dr. Ramesh Kumar D, Vellore Institute of Technology, Vellore, India</b> <i>Some common fixed-point results with applications to nonlinear Fredholm and Volterra integral equations</i>
16:00-16:30	<b>Dr. Madhu V, Vellore Institute of Technology, Vellore, India</b> <i>Helmholtz Operator on an Infinite Network</i>
16:30-17:00	<b>Dr. Kalaivani K, Vellore Institute of Technology, Vellore, India</b> <i>Hausdorff operator on various integrable spaces</i>
17:00-17:30	<b>Dr. Thilagavathi K, Vellore Institute of Technology, Vellore, India</b> <i>Geometric properties of analytic functions involving linear operators</i>

**Day 2: 24-March-2024**

	<b>Mini-Symposium on Operations Research</b> <u>Organizing Chairs</u> <b>Dr. Deepika Rani, NIT Jalandhar, India</b> <b>Dr. Anupam Yadav, NIT Jalandhar, India</b>
11:00-11:30	<b>Dr. Deepika Rani, NIT Jalandhar, India</b> <i>Introduction to multiobjective optimization with fuzzy</i>
11:30-12:00	<b>Dr. Sujeet Kumar Singh, Indian Statistical Institute Hyderabad, India</b> <i>Multiobjective polynomial optimization</i>
12:00-12:30	<b>Dr. Shubham Gupta, MNNIT Allahabad, India</b> <i>Introduction to Metaheuristics</i>
12:30-13:00	<b>Dr. Umakanta Mishra, Vellore Institute of Technology, Vellore, India</b> <i>An effect of circular economic in some supply chain models</i>

Link 3

Link 3: <https://meet.google.com/jsq-dqtc-tng>

In-charge: Mr. K. Varatharaj (+91 99442 29642)

Day 1: 23-March-2024

	<b>Mini-Symposium on Fluid Mechanics</b> Organizing Chairs: <b>Dr. Damanjit Kaur, NIT Jalandhar, India</b> <b>Dr. Geeta Partap, NIT Jalandhar, India</b>
11:00-11:30	<b>Prof. B. Rushi Kumar, Vellore Institute of Technology, Vellore, India</b> <i>Nanoparticle shape effects of ternary hybrid nanofluid flow in a rotating system between two stretching surfaces with suction/injection: A Darcy-Forchheimer flow model</i>
11:30-12:00	<b>Dr. Dharmendra Tripathi, NIT Uttarakhand, India</b> <i>Motion and Trajectories of CaOx and Bacterial Particles through Urine Flow modulated by Electroosmosis</i>
12:00-12:20	<b>Dr. A. Parandhama, Sambhram University, Jizzax, Uzbekistan</b> <i>Fluid flow past a stretching surface</i>
12:20-12:40	<b>Dr. M. Sneha Latha, SAMS Bangalore, India</b> <i>Dynamics of fluid flow - An overview</i>
12:40-13:00	<b>Dr. CSK Raju, GITAM (Deemed to be University), Bengaluru, India</b> <i>Heat Transfer analysis of different shaped fins flow filled with hybrid nanoparticles under dry and wet conditions</i>
	<b>Mini-Symposium on Applied Science and Engineering</b> This mini-symposium is organized by the LACCOTAM (The Latin American and Caribbean Congress for Theoretical and Applied Mathematics (LACCOTAM) is affiliated with the International Union of Theoretical and Applied Mathematics (IUTAM)) <u>Organizing Chair</u> <b>Dr. Sreedhara Rao G, UWI, Trinidad and Tobago</b>
15:30-15:50	<b>Prof. Boppana V. Chowdary, CAD/CAM, Manufacturing Systems</b> <i>Will be updated shortly</i>
15:50-16:10	<b>Dr. Donna MG Comissiong, UWI, St. Augustine, Trinidad and Tobago</b> <i>Two-Vector Transmission Dynamics of the Dengue Virus</i>
16:10-16:30	<b>Prof. H. Md. Azamathulla, UWI, St. Augustine, Trinidad</b> <i>Application of Soft Computing Techniques in Hydraulic Engineering</i>
16:30-16:50	<b>Dr. Victor Job, University of the West Indies, Mona, Jamaica</b> <i>Mathematical Modelling of Magnetic Nanoparticle Hyperthermia for Tumour Therapy</i>
16:50-17:10	<b>Dr. Tyrone D Dass, The University of Trinidad and Tobago, Trinidad</b> <i>The Influence of Slip-Velocity, Variable Viscosity, and the Rabinowitsch on the Journal's Bearing Characteristics</i>
17:10-17:30	<b>Dr. Karim Rahaman, The Uni. of the West Indies, Trinidad &amp; Tobago</b> <i>Induced Upper-Convected Maxwell Fluid Flow in a Cylinder oscillating Longitudinally and Torsionally with Slip at the Boundary</i>

Link 4: <https://meet.google.com/tcy-xeaa-gbc>

In-charge: Dr. K. Thirumalaisamy (+91 95245 88770)

**Day 1: 23-March-2024**

	<b>Session Chairs:</b> <b>Prof (Dr) M. Yamuna, Vellore Institute of Technology, Vellore, India</b> <b>Dr. G. Deepa, Vellore Institute of Technology, Vellore, India</b>
11:00-11:15 ISAMS001	<b>Ms. Rasha Shat, UAE University, Al Ain, UAE</b> <i>Niho bent functions and ovals in small dimensions</i>
11:15-11:30 ISAMS002	<b>Mr. Arash Pourkia, American University of the Middle East, Kuwait</b> <i>Some higher dimensional parameter-dependent solutions to the Yang-Baxter equation of the form <math>I+uR</math></i>
11:30-11:45 ISAMS003	<b>Ms. Marisha Singh, National Institute of Technology, Raipur, India</b> <i>Application of Group Theory on High Symmetry Molecules</i>
11:45-12:00 ISAMS004	<b>Mr. Deepak Kumar Sharma, Vivekananda Global Uni., Jaipur, India</b> <i>Majorization property for specific classes of analytic functions</i>
12:00-12:15 ISAMS005	<b>Ms. S. S. Athithiya, Pioneer Kumaraswamy College, Nagercoil, India</b> <i>Self-Switching of Union of Two Complete Graphs</i>
12:15-12:30 ISAMS006	<b>Ms. L. G. Binoja, Pioneer Kumaraswamy College, Nagercoil, India</b> <i>Relatively Prime Restrained Detour Domination Number of a Graph</i>
12:30-12:45 ISAMS007	<b>Mr. Timmy Tomy Thalavayalil, Christ university, Bangalore, India</b> <i>A Study on Coarse deg-centric Graphs</i>
12:45-13:00 ISAMS008	<b>Prof (Dr) Kounhinir Some, Universite Norbert Zongo, Burkina Faso</b> <i>Hyperbolic Augmented Lagrangian Algorithm for Multiobjective Optimization Problems</i>
	<b>Session Chairs:</b> <b>Dr. Satyanarayana Badeti, VIT-AP University, Amaravati, India</b> <b>Dr. M. Sivabalan, SRMVCAS, Coimbatore, India</b>
15:30-15:45 ISAMS025	<b>Prof (Dr) S Srinivas, VIT-AP University, Amaravati, India</b> <i>Effects of different nanoparticles on the two immiscible liquid flow in an inclined channel with Joule heating and viscous dissipation</i>
15:45-16:00 ISAMS026	<b>Dr. Nahid Fatima, Prince Sultan University Riyadh, Saudi Arabia</b> <i>Modified VIM for Wave Equations: Solutions of PDE</i>
16:00-16:15 ISAMS027	<b>Dr. Armen Bagdasaryan, American Uni. of the Middle East, Kuwait</b> <i>Optimal transport flows in dynamic networks and replicator dynamical systems</i>
16:15-16:30 ISAMS028	<b>Zio Souleymane, IGIT, Burkina Faso</b> <i>Numerical simulation of pollutants transport in groundwater using deep neural networks informed by physics</i>
16:30-16:45 ISAMS029	<b>Dr. Arouna Ouedraogo, Universite Norbert Zongo, Burkina Faso</b> <i>A well-defined Godunov-type scheme in a Navier-Stokes model with friction term</i>



16:45-17:00 ISAMS030	<b>Mr. V. K. Borawake, SISKN College of Engineering, Pune, India</b> <i>Modified Double Laplace Transform of Partial Derivatives and its Applications</i>
17:00-17:15 ISAMS031	<b>Dr. Bassonon Yibour Corentin, Uni. Norbert Zongo, Burkina Faso</b> <i>Discontinuous Galerkin method for linear parabolic equations with <math>L^1</math>-data</i>
17:15-17:30 ISAMS032	<b>Mr. Vinay Mishra, Guru Ghasidas Vishwavidyalaya, Bilaspur, India</b> <i>Application on Atangana-Baleanu fractional derivative via <math>(\tau, a)</math>-weak contractive mappings</i>

Link 5: <https://meet.google.com/bwz-bkfg-oed>

In-charge: Mr. N. Santhosh (+91 95245 88770)

Day 1: 23-March-2024

	<p><u>Session Chairs:</u>  <b>Dr D. Easwaramoorthy, Vellore Institute of Technology, Vellore, India</b>  <b>Dr A. Manimaran, Vellore Institute of Technology, Vellore, India</b></p>
11:00-11:15 ISAMS009	<p><b>Dr. Hocine Guediri, King Saud University, Riyadh, Saudi Arabia</b>  <i>The Berezin transform and Toeplitz operators on the Bergman space over the quarter plane</i></p>
11:15-11:30 ISAMS010	<p><b>Ms. Priyanka, Maharaja Ranjit Singh PTU Bathinda, India</b>  <i>Integrability and Convergence of Modified Sum under Some Generalized Coefficient Class in LI-metric</i></p>
11:30-11:45 ISAMS011	<p><b>Dr. Souleymane Savadogo, Universite Norbert Zongo, Burkina Faso</b>  <i>Representations of algebras verifying a train identity of degree 2 and exponent 3</i></p>
11:45-12:00 ISAMS012	<p><b>Dr. Tilak Raj Sharma, HPU Regional Centre Dharamshala, India</b>  <i>Intuitionistic Fuzzy Ideals of Regular Gamma Semirings</i></p>
12:00-12:15 ISAMS013	<p><b>Dr. Hesham Nabel, Faculty of Science Al Azhar University, Egypt</b>  <i>Generalized Jordan triple derivations associated with Hochschild 2-cocycles in semiprime rings</i></p>
12:15-12:30 ISAMS014	<p><b>Dr. Debasis Haldar, National Institute of Technology Rourkela, India</b>  <i>Frame multiresolution analysis on p-adic field</i></p>
12:30-12:45 ISAMS015	<p><b>Dr. Abdelaziz Maouche, Sultan Qaboos University, Oman</b>  <i>Gleason-Kahane-Zelazko Theorem in Banach Jordan algebras</i></p>
12:45-13:00 ISAMS016	<p><b>Prof (Dr) André Conseibo, Universite Norbert Zongo, Burkina Faso</b>  <i>Evolution algebras that are almost Jordan</i></p>
	<p><u>Session Chairs:</u>  <b>Prof (Dr) D. Brijlall, Durban University of Technology, South Africa</b>  <b>Prof. K. Karthikeyan, Vellore Institute of Technology, Vellore, India</b></p>
15:30-15:45 ISAMS033	<p><b>Ms. Sibongile, Durban University of Technology, South Africa</b>  <i>Multilingual Preservice Teachers' knowledge and understanding of Analytical Geometry Content</i></p>
15:45-16:00 ISAMS034	<p><b>Dr. Fitzgerald Abakah, NCDE, Republic of South Africa</b>  <i>Misconceptions of mathematical concepts VIS-À-VIS how they pose as barriers to developing students' conceptual understanding</i></p>
16:00-16:15 ISAMS035	<p><b>Dr. Fitzgerald Abakah, NCDE, Republic of South Africa</b>  <i>Using experiential learning in solving 3-dimensional problems in trigonometry</i></p>

16:15-16:30 ISAMS036	<b>Dr. Caresse Niranjan, Durban University of Technology, South Africa</b> <i>The use of manipulatives in experiential learning in solving three-dimensional tasks in trigonometry</i>
16:30-16:45 ISAMS037	<b>Ms Seema, UIET, M. D. University, Rohtak, India</b> <i>Quantile-based generalized entropy of order (alpha, beta) for doubly truncated random variable</i>
16:45-17:00 ISAMS038	<b>Mr. Pradeep Kumar, Mishra, Parul University Vadodara, India</b> <i>Supply Chain Operations Management in COVID-19 post-pandemic scenario: A comprehensive review from India</i>
17:00-17:15 ISAMS039	<b>Ms. Dania Dallah, American University of Sharjah, UAE</b> <i>Relative Range for Skewed Distributions: A Tool for Outlier Detection</i>
17:15-17:30 ISAMS040	<b>Dr. Mansoor Saburov, American University of the Middle East, Kuwait</b> <i>Krause Mean Processes Generated by Cubic Stochastic Matrices with Strong Influences</i>
17:30-17:45 ISAMS041	<b>Dr. Satafa SANOGO, EPO, Burkina Faso</b> <i>Robust Optimization for Quadratic Programs with Data Uncertainty using the Concept of Stability Radius</i>

## Offline Session (Hall 1)

**Day 1: 23-March-2024**

	<b>Session Chair: Dr. G. Mahadevan, GRI, Gandhigram, Dindigul, India</b>
11:00-11:15 ISAMS017	<b>Prof (Dr) Kotha Kiran Kumar, IIM Indore, India</b> <i>Stock Market Prediction Using Hybrid Models: A Comparison of Deep Learning Techniques</i>
11:15-11:30 ISAMS018	<b>Dr. S.K. Gugulothu, NIT Andhra Pradesh, India</b> <i>Numerical Study of Natural and Mixed Convection in an Isothermally Heated Cylinder in a Lid Driven Cavity with Extended Surfaces Filled with Nano-Fluid and Encapsulation of Nano-PCM</i>
11:30-11:45 ISAMS019	<b>Ms. Sonia Yadav, Dr B R Ambedkar NIT, Jalandhar, Punjab, India</b> <i>Homotopy analysis method and its convergence analysis for a nonlinear simultaneous aggregation-fragmentation model</i>
11:45-12:00 ISAMS020	<b>Mr. Sunil Kumar Dr B R Ambedkar NIT, Jalandhar, India</b> <i>Analysis of wave motion in micro-polar thermoelastic plates with memory-dependent derivatives and temperature-dependent parameters under three-phase-lag model</i>
12:00-12:15 ISAMS021	<b>Dr. Ghurumuruhan Ganesan, IISER Bhopal, India</b> <i>Acyclic and Tree Unique Colourings in Random Graphs</i>
12:15-12:30 ISAMS022	<b>Dr. Ghurumuruhan Ganesan, IISER Bhopal, India</b> <i>Weighted Eulerian Extensions of Random Graphs</i>
12:30-12:45 ISAMS023	<b>Mrs. Aminah Qawasmeh, United Arab Emirates University, UAE</b> <i>On Gibbs Measures of the Ising Model on <math>(k,m)</math>-Ary Trees</i>
12:45-13:00 ISAMS024	<b>Prof (Dr) Ayman Badawi, American University of Sharjah UAE</b> <i>Characterizing some commutative rings by divisibility conditions</i>

## Offline Sessions (Hall 2)

**Day 1: 23-March-2024**

	Mini-Symposium on <b>Mathematical Sciences and Applications</b> <u>Organizing Chairs</u> <b>Dr. Seenivasan M, Annamalai University, Chidambaram, India</b> <b>Prof. K. Indhira, Vellore Institute of Technology, Vellore, India</b>
11:00-11:20	<b>Dr. Seenivasan M, Annamalai University, Chidambaram, India</b> <i>Single Server Retrial Queueing System with Single Working Vacation and Feedback</i>
11:20-11:40	<b>Prof. K. Indhira, Vellore Institute of Technology, Vellore, India</b> <i>Performance analysis of the double orbital queue with recurrent customers under working vacation</i>
11:40-12:00	<b>Dr. N. Anitha, Periyar University Centre for Post Graduate and Research Studies, Dharmapuri, India</b> <i>Application of fuzzy soft sets in decision making</i>

12:00-12:20	<b>Dr. Renuka Kolandasamy, KLEF - Deemed to be University, India</b> <i>Efficiency of Runge-Kutta-Fehlberg method in resolving uncertainty: a fuzzy approach to delay differential equations</i>
12:20-12:40	<b>Dr. V. J. Chakravarthy, Dr. MGR Educational and Research Institute Maduravoyal, Chennai, India</b> <i>Cloud computing-Services and Applications</i>
12:40-13:00	<b>Dr. S. Jeyarani, The American College, Madurai, India</b> <i>Engle – Granger co-integration model for price variations</i>
13:00-13:20	<b>Dr. G. Mahadevan, GRI, Gandhigram, Dindigul, India</b> <i>Tremendous real-life applications of various domination numbers of a graph in digital era</i>