

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE – 638 060

DEPARTMENT OF MATHEMATICS

INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS AND  
COMPUTING 2025

**APPLIED MATHEMATICS TRACK PRESENTATION SCHEDULE**

**Date & Session:** 21.02.2025 – 12.00 – 1.00 pm

<b>PANEL – I (Venue: Sir C.V.Raman Seminar Hall, Science and Humanities Block)</b>			
<b>S.No.</b>	<b>Name of the Participant</b>	<b>Name of the Institution</b>	<b>Title of the Article</b>
1.	Mrs.J.Padma priya	Erode Sengunthar Engineering college	The Evolution and Applications of Fuzzy Logic in Intelligent Systems
2.	Dr.D.Jayanthi	Coimbatore Institute of Technology	On the Total Outer Connected Geodetic Number of a Graph
3.	P.Anitha	Karunya Institute of Technology & Sciences	A Fuzzy Approach to 2-sided Modified Complete chain sampling for Destructive Testing
4.	Dr.P.R.Sreejamol	SNM College, Maliankara, Ernakulam, Kerala.	Cross connection of regular ring
5.	A.Vijayalakshmi	Vellalar college for women	Fuzzy Graph Coloring on M-Polar Fuzzy Planar Graph and Bipartite Graph with its Applications

**Date & Session:** 21.02.2025 – 4.15 – 5.00 pm

<b>PANEL – I (Venue: Sir C.V.Raman Seminar Hall, Science and Humanities Block)</b>			
<b>S.No.</b>	<b>Name of the Participant</b>	<b>Name of the Institution</b>	<b>Title of the Article</b>
1.	S.Geetha	Knowledge Institute of Technology	Enhancing Network Performance through Graph Theory Applications
2.	Mrs.Jenefa Chandra	Karunya Institution Of Technology and Science	Fuzzy parameters based sampling strategy using ZIPD
3.	S.Preethi	SRM Institute of Science and Technology	Modeling Hospital Workflow Management Using Place-Labeled Petri Net Controlled Grammar
4.	P.Mounika	Optimizing MXenes for Energy Storage: A Neutrosophic PROMETHEE-Based Decision-Making	Kongu Engineering College

**Date & Session:** 22.02.2025 – 10.20 – 12.00 noon

<b>PANEL – I (Venue: Sir C.V.Raman Seminar Hall, Science and Humanities Block)</b>			
<b>S.No.</b>	<b>Name of the Participant</b>	<b>Name of the Institution</b>	<b>Title of the Article</b>
1.	Ms.M.S.Devimani	Erode Sengunthar Engineering college	Fuzzy Graph Coloring Approaches for Optimization in Complex Network Systems with Uncertainty
2.	Mrs.C.Kasuthri	Erode Sengunthar Engineering college	An Innovative Approach to Ranking Single-Valued Triangular Neutrosophic Numbers Using Midpoint Analysis for Healthcare Decision-Making
3.	Mrs.P.Chandrakala	Sri Vasavi College,Erode	Computational Analysis of Magneto-nano fluid flow with interruption of Ferro particles and non-uniform heat generation or absorption
4.	Ms.R.Abarnasri	A Veera Vandayar Memorial Sri Pushpam College, Poondi, Thanjavur	Rainbow Vertex Antimagic Coloring for Degree Splitting of Cycle, Star and Path Graph
5.	Arya Chandran	Karunya Institute of Technology & Sciences	Relative prime domination in fuzzy graphs
6.	Mrs.Shubhajyothi Hariharan	Sri Krishna College of Technology,Coimbatore	Fuzzy Lomax Distribution-Based Reliability Sampling Plan: A Novel Approach for Uncertainty Modeling
7.	P. Sakthisree	P.S.R.R College Of Engineering	An EOQ model for deteriorating items in a two-repository system considering advance payment with carbon emission and green investment
8.	K.Shantha Lakshmi	Annamalai University	Open Maps via $\delta$ -open Sets in Pythagorean Fuzzy Nano Topological Spaces and its Applications

**Date & Session: 22.02.2025 – 3.00 – 4.00 pm**

<b>PANEL – I (Venue: Sir C.V.Raman Seminar Hall, Science and Humanities Block)</b>			
<b>S.No.</b>	<b>Name of the Participant</b>	<b>Name of the Institution</b>	<b>Title of the Article</b>
1.	Ms.A.Shashikala	Aditya College of Engineering and Technology	Third Hankel determinant for the reciprocal of bounded turning functions defined by generalized polylogarithm functions for Salagean derivative operators
2.	M.Deepika	Karunya Institute of technology and sciences	Characterization of hybrid pure ideals in ternary semigroups
3.	T.Gayathri	Vellalar College For Women	Finding the solutions of a General Quadratic Diophantine equation