

**MATHEMATICAL SCIENCES, IT AND ITS APPLICATIONS AND STATISTICS**

**Venue: Mathematics Lecture Theatre 1, Department of Mathematics, Baker Building (3<sup>rd</sup>. Floor)  
17<sup>th</sup>. January 2025 Friday Technical Session- 1 (2:00 PM onward)**

Sl No.	Application No.	Name of the Presenting Author	Name of the Institute/ Organization	Title of the Abstract
1	WBSSTC/2024-25/R6/SMSA/050009	Dr Anjana Bhattacharyya	Victoria Institution College	$\beta$ -Semiopen Set And Its applications In Fuzzy M -Space
2	WBSSTC/2024-25/R6/SMSA/091034	Sayan Jana	Vivekananda College	Common Fixed Point Theorem for Fuzzy Mappings in Banach Spaces
3	WBSSTC/2024-25/R6/SMSA/091225	Sumanta Das	University of Calcutta	On Leavitt Path Algebras of Directed Power Graphs
4	WBSSTC/2024-25/R6/SMSA/124245	Debashish Barman	Sir Gurudas Mahavidyalaya	Smart Voice Controlled Home Assistant using IOT
5	WBSSTC/2024-25/R6/SMSA/122803	Emon Asad	Aliah University	A computational pipeline for cancer biomarker identification based on adaptive $\beta$ -hill climbing-aided metaheuristic optimization
6	WBSSTC/2024-25/R6/SMSA/051120	Md Kausar Sk	Indian Statistical Insitute	Persistence of metacommunity and tipping point dynamics in a fear-induced adaptive dispersal strategy in ecological network
7	WBSSTC/2024-25/R6/SMSA/071406	Rafiqur Rahaman	Jogesh Chandra Chaudhuri College	Exploring Neimark-Sacker Bifurcation and Chaos Control in a Tri-Species Discrete-Time Model
8	WBSSTC/2024-25/R6/SMSA/085143	Mitali Maji	Presidency University Kolkata	Mathematical Insights into the Influence of Proteins and Glial cells in Alzheimers Disease
9	WBSSTC/2024-25/R6/SMSA/115049	Chandan Goswami	Presidency University	Registration Based Authenticated Encryption Scheme in IoT Environment
10	WBSSTC/2024-25/R6/SMSA/070711	Forum M Shah	Presidency University	Mental health and educational outcomes in India: A socioeconomic analysis

**18<sup>th</sup>. January 2025 Saturday Technical Session- 2 (10:00 AM)**

11	WBSSTC/2024-25/R6/SMSA/125447	Sucharita Biswas	Presidency University Kolkata	Metric Dimension of Generalized Petersen Graph $P(n,3)$
12	WBSSTC/2024-25/R6/SMSA/022845	Anubarto Bhattacharyya	Presidency University Kolkata	Topology of Basin components in Complexified DSM family
13	WBSSTC/2024-25/R6/SMSA/090901	Ujjal Karmakar	Presidency University Kolkata	Free wreath product construction arises as quantum symmetries of graph $C^*$ -algebras
14	WBSSTC/2024-25/R6/SMSA/125139	Sauvik Poddar	Presidency University	On the Number of Isomorphism Classes of d-integral Circulant Graphs
15	WBSSTC/2024-25/R6/SMSA/011917	Samir Das	Presidency University	Price and service decisions in a supply chain with coordination contracts
16	WBSSTC/2024-25/R6/SMSA/064428	Sayon Bakshi	Umeschandra College	DEMATEL Method with Finite Interval Type-2 Gaussian Pythagorean Fuzzy Number for Diagnosis of Diabetes
17	WBSSTC/2024-25/R6/SMSA/104022	Subhamoy Bera	Jadavpur University	Evolutionary Game Theoretic Analysis of Smart Sustainable Supply Chains: From Infancy to Maturity
18	WBSSTC/2024-25/R6/SMSA/105812	Shamik Chatterjee	Presidency University Kolkata	On a Graph over $C^*(X)$