

## Event Report

**Society:** Salam Mathematics Society

**Advisor:** Sabah Iqbal

**Event Name:** Seminar on Normal Number & Dynamic Systems

**Event Date:** November 22nd, 2023

Salam Mathematics Society SMS conducted a seminar on “Normal Number & Dynamic Systems”. **Dr. Charlene Kalle**, Foreign Faculty of International Mathematics Masters LUMS, who is Associate Professor in Leiden University Netherlands joined us as a guest speaker. Her main interest revolves around probability theory and mathematics with more than 15 publications associated with these topics.

Dr. Charlene Kalle delved into the intriguing realms of normal numbers and dynamical systems. The content presented was not only intellectually stimulating but also fostered valuable discussions among participants.



Around 50 students participated in the seminar. The session was made interactive and productive, with logical queries and inquiries.



We had a notable opportunity to host Dr. Reza Abdul Maleki from Iran (foreign faculty at LUMS) and a few IMM students of LUMS, as guests at the event. Along with them, several prestigious faculty members of FCCU Mathematics and Computer Science Department honoured us with their presence.



Later, souvenirs were presented to guests by Dr. Ahmed Qureshi, Dean of Computer Science and Mathematics Department and refreshments were served.

**Event: Math Fest****Event Date:** January 10th, 2024

Salam Mathematics society has conducted a event named Math Fest. It was a two day event which was held on January 10th-11th, 2024. The fest successfully achieved



its objectives of promoting mathematical awareness, fostering collaboration, and inspiring students from disciplines towards mathematics.

The 1st day of event was held in the ground between Lucas and E block. In the event, there was inclusion of mathematical games that combined entertainment with learning.

Participants engaged in strategic games and models presented by Mathematics Majors, promoted a friendly and engaging atmosphere.

To enhance the overall experience, the Math Fest incorporated food stalls offering a variety of culinary delights. Participants and attendees enjoyed a diverse range of snacks, refreshments, and meals, creating a lively and social atmosphere.



Movie Screening and closing ceremony was arranged on 2nd day of the event . The movie “The Man Who Knew Infinity” which shows the struggle of two Math enthusiasts to revolutionized the world of mathematics with their abilities and discoveries was screened.



By the end of the event, certificates were distributed among participants and volunteers to encourage their temptation for knowledge and community work.



**Event Name:** Freshmen Week Stall

**Event Date:** January 29th, 2024

The stall set up in Freshmen Week'24 on January 29, 2024 by Salam Mathematics Society was a resounding success, offering a diverse range of engaging activities designed to foster camaraderie among incoming students.



It presented innovative games such as Mind and Muscle Quest, The Flipping Master, Bouncing Numbers, and Tangle Trove which injected excitement and challenge into the day. These activities facilitated teamwork, creativity, and quick thinking, reflecting the dynamic nature of mathematics itself!

**Event Name:** Simon Says...

**Event Date:** February 1st, 2024

Salam Mathematics Society hosted a game “Simon Says” in Freshmen Week’24. The typical old school game was blended with Mathematics to encourage interactive learning. The event further featured classic games like Uno, Scrabble, and Topples, providing opportunities for freshmen to unwind and bond over friendly competition. These games not only entertained but also encouraged strategic thinking and problem-solving skills, aligning with the society’s academic goals.

Freshmen enthusiastically participated in the activities, forming connections with their peers and senior members of the society. The inclusive and welcoming atmosphere encouraged interaction and collaboration, breaking down barriers and fostering a sense of belonging within the mathematics community.



The event overall was a success, setting a positive tone for the academic year ahead and laying the foundation for enduring friendships and academic growth within the Mathematics Society!





**Event Name:** Cultural Day

Team of Salam Mathematics Society set up a lively and vibrant stall for Culture Day, filled with games and activities that quickly became a hit among the students.



The stall was designed with a colorful and trendy aesthetic, featuring bright decorations that caught the attention of everyone passing by. The games were diverse and interactive, offering something for everyone, which encouraged participation from a broad range of students.



Students thoroughly enjoyed the engaging activities, with many returning to try the different games multiple times. The energy around the stall was consistently high, with students cheering each other on and sharing in the fun. Overall, the Culture Day stall was a resounding success, fulfilling its purpose of fostering student engagement and adding to the lively atmosphere of the event.



**Event Name:** Matlab Workshop

**Event Date:** April 22nd, 2024

On April 22nd, 2024 the Salam Mathematics Society successfully hosted a one-day MATLAB Introductory Workshop at S-433, aimed at providing students and faculty with foundational knowledge of MATLAB for mathematical computing and programming.



The workshop, led by **Dr. Farheen Ibrahim** and **Ms. Sabah Iqbal**, was attended by a total of **50 participants**, including students and faculty members. The event was highly interactive, featuring a combination of theoretical insights and practical, hands-on exercises. Participants were guided through various essential aspects of MATLAB, including basic operations, data visualization, and algorithm development.

Dr. Farheen Ibrahim and Ms. Sabah Iqbal shared their expertise through engaging lectures and demonstrations, making the workshop accessible to both beginners and those with some prior experience in programming. The hands-on activities were particularly appreciated, as participants could apply the concepts immediately, enhancing their learning experience.



Both students and faculty took a keen interest in the sessions, actively participating in the discussions and exercises. The interactive nature of the workshop fostered an environment of collaborative learning and exploration.

During a mid-session break, tea was served to all attendees, allowing participants to relax, network, and discuss their learnings in a more informal setting.

At the conclusion of the workshop, all participants were presented with **certificates of participation** by the Salam Mathematics Society in recognition of their engagement and successful completion of the session.

The event was well-received by all attendees, and the society hopes to organize similar workshops in the future to continue fostering a culture of learning and collaboration within the academic community.



**Event Name:** Mathalon'24

**Event Date:** 13th-14th May, 2024

Mathalon 2024, organized by the Salam Mathematics Society and sponsored by Volka Foods, was a two-day mega event that brought together some of the brightest mathematical minds from universities across Lahore. Held at Armacost, the event



featured participation from a variety of institutions, including Punjab University (PU), COMSATS, University of Central Punjab (UCP), and Lahore Garrison University (LGU). Forman Christian College University (FCCU) also participated, with students not only from mathematics but also from the computer science and physics departments, making it a diverse and intellectually enriching gathering. The primary objective of Mathalon was to

foster a friendly, competitive, and interactive environment where students could engage in a series of mathematics-based modules while enjoying the camaraderie of like-minded individuals.

The competition modules were carefully designed to challenge participants on multiple fronts. The event featured a wide range of mathematical disciplines, including an Olympiad, graph theory, integration, logic puzzles, and more. Each module tested the participants' problem-solving abilities, analytical skills, and teamwork. One of the standout features of the event was the Desmos graphing calculator module, which became an instant favorite among the attendees due to its engaging and visually interactive nature.



The two-day event was not just about competition but also about creating a learning space where participants could broaden their mathematical knowledge while networking with peers from other institutions. The environment throughout the event



was vibrant, filled with healthy competition, and students supported and learned from each other, creating an atmosphere of mutual growth and intellectual exchange.



Aside from the mathematical modules, Mathalon also featured a social night and dinner, providing a platform for participants to unwind and engage with their peers in a relaxed setting. This social aspect allowed students to build connections beyond academic discussions, making the event both intellectually and socially rewarding.



The closing ceremony marked the conclusion of two days of intense competition and collaboration. Shields were awarded to the winners of each module, celebrating their hard work and achievements, while certificates of participation were distributed to all other participants to recognize their involvement and efforts.

Dr. Ahmed Qureshi, Dean of Computer and Mathematical Sciences of Forman Christian College ( A Chartered University ), graced the event as the chief guest and expressed his immense appreciation for the event's organization and student participation. He praised the Salam Mathematics Society for its efforts in bringing together students from diverse academic backgrounds and universities and encouraged the society of more such events in the future, as they play a critical role in fostering academic excellence and collaboration across mathematics community. Dr. Burhan and Ms. Sabah Iqbal, faculty members from FCCU's mathematics department, also attended the event and commended the healthy competition and interactive learning environment that Mathalon had successfully created. The closing ceremony was further honored by the presence of esteemed guests, Dr. Sarmad and Dr. Sana from Lahore Garrison University (LGU), who commended the organizers for hosting such a well-structured and engaging event.



Salam Mathematics Society extends its heartfelt thanks to the advisor, Ms. Sabah Iqbal, and president, Aleena Khan, for their invaluable contributions, which made the event not only possible but a tremendous success.

Mathalon 2024 successfully brought together the mathematics community, offering students a unique opportunity to compete, collaborate, and learn from one another. The event successfully created a sense of community among the participants, encouraging them to view mathematics not just as an academic subject but as a collaborative and exciting

discipline with real-world applications.



Salam Mathematics Society looks forward to building on this success, continuing to provide platforms that challenge, engage, and inspire students in their pursuit of mathematical excellence.

