Seminar on "From Geometry (Euclidean) to Topology (Rubber Sheet Geometry)"
by
Dr. Sainkupar Mn Mawiong, NEHU
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Report

The Department of Mathematics, St. Edmund's College, Shillong organized an enlightening seminar aimed at introducing undergraduate students to the captivating realm of geometry and topology. The seminar was conducted on the 23rd of February 2019, and it was delivered by Dr. Sainkupar Mn Mawiong, Assistant Professor, Department of Basic Science and Social Sciences, North-Eastern Hill University, Shillong. The seminar focused on the intriguing concept of "Rubber Sheet Geometry," exploring its historical significance, recent research trends, and open problems. The event featured an interactive session with the esteemed speaker, making it an engaging and enriching experience for all attendees.

The seminar commenced with a warm welcome extended to the participants by the Head of the Mathematics Department, Prof. Dipankar Deb. The audience comprising of undergraduate students showed immense enthusiasm and curiosity.

The speaker commenced the session by providing an insightful overview of geometry and topology, elucidating their fundamental concepts and interconnections. Emphasizing the significance of abstraction in mathematics, the speaker adeptly navigated through historical developments, tracing the evolution of geometric thought from Euclid to contemporary researchers.

The focal point of the seminar was the exploration of Rubber Sheet Geometry, a fascinating branch of topology that investigates the properties of shapes and spaces under continuous deformations. Through captivating examples and visual aids, the speaker illustrated how seemingly disparate shapes can be transformed into one another through smooth deformations, akin to stretching or bending a rubber sheet.

The seminar adopted a hands-on approach to learning, allowing participants to actively engage with the concepts discussed. Following the hands-on session, an interactive discussion ensued, wherein students enthusiastically posed questions and exchanged ideas with the speaker.

The seminar proved to be a resounding success, achieving its objective of introducing undergraduate students to the captivating world of geometry and topology. By combining theoretical insights with practical experimentation and interactive discussion, the event inspired a newfound appreciation for mathematical abstraction and inquiry. The Mathematics Department extends its gratitude to the esteemed speaker for imparting invaluable knowledge and insights, enriching the academic experience of students and faculty alike.

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