Report on the Student Seminar
Department of Mathematics
Date: June 05, 2023

The Department of Mathematics organised a student seminar of 6th semester students on June 05, 2023. The programme started with Md Reyaan Khan by delivering his speech on "Integration" from the subject Numerical Analysis. More specifically, he mentioned that numerical methods mean certain special type of algebraic methods which give approximate solution to the scientific, engineering and mathematical operation on numbers. Also, he highlighted that they involve a large number of arithmetic calculations and need fast and efficient computing devices like, calculators, computers and microelectronic machines in their applications. The main objective of his talk was to describe about some of the integration rules such as Trapezoidal Rule, Simpson's 1/3 Rule, Simpson's 3/8 Rule, Weddle's Rule.

At last, but not the least, Aashna Parveen shared her views on the topic "Role of Mathematics in Modern Technology". She described that Mathematics is an area of knowledge that includes the topics of numbers, formulas and related structures, shapes and the spaces in which they are contained, and quantities and their changes. Also, she specified that these topics are represented in modern mathematics with the major subdisciplines of Number Theory, Algebra, Geometry, Analysis etc. Mathematics is the core foundation for all technologies. In the talk, she focused on the role of mathematics in various fields such as Chemistry, Biology, Civil Engineering, Computer Science etc.

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