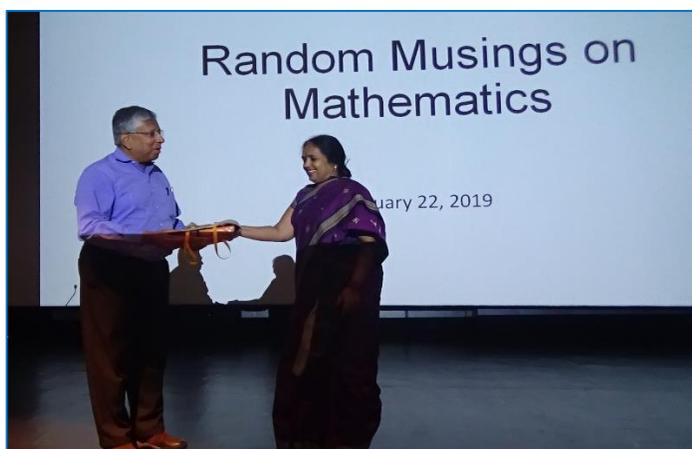
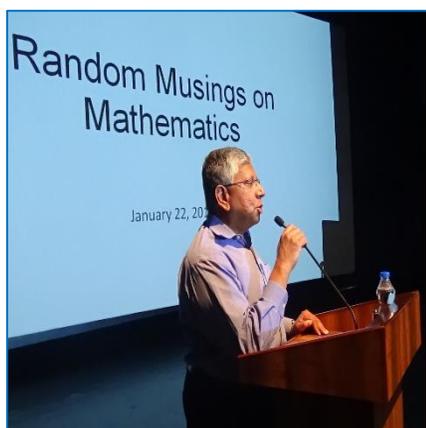


## THE MAGNIFICENT WORLD OF MATHEMATICS

Fired with enthusiasm, the Math students of class XI attended a lecture by Mr. Krishnan Chandrashekar, on the 22nd of January 2019 at 1 pm at PSBB K.K.N. Mr Krishnan an alumnus of PSBB school was welcomed by Mrs. Sheela Rajendra the Deputy Dean and Director of the PSBB group of schools after the customary invocation was over.



"Mathematics is the music of reason" and the audience experienced the great wonders of the subject as they journeyed through a range of topics that afternoon. The first topic of the day was ' $\pi$ '. Various mathematicians have calculated ' $\pi$ ' with precision and the various expansions of ' $\pi$ ' were really interesting as the students only knew a few expansions of the same. He also mentioned the 22 trillion decimal digits of ' $\pi$ ' and how ' $\pi$ ' plays an important role in daily life.



Mr. Krishnan also spoke about the role of prime numbers in everyday life. The question that stunned the audience was-"Are prime numbers finite or infinite?" He also offered insight into the formula that can calculate the number of prime numbers between two natural numbers. He then mentioned the use of prime numbers in 'Cryptography'.

As the session progressed Mr. Krishnan put forward the most beautiful equation in Mathematics:-

$$e^{i\pi} + 1 = 0$$

The session also highlighted the works of many famous mathematicians like Euler and Srinivasa Ramanujan that were in correspondence to topics discussed throughout the session. The importance of 'Probability' in daily life had an impact on the students. The famous Monty hall problem was really interesting and the students participated enthusiastically by their opinions and offering solutions to the problem.



The lecture was wrapped up with a quick talk on 'Statistics'. "Mathematics is present in various fields of life" concluded Mr. Krishnan adding fuel to the flame of curiosity burning in the minds of the students.