

Of π and Prime numbers!

Mr. Krishnan Chandrasekhar, PSBB alumnus, delivered an interesting lecture on the “Musings of Mathematics” at Dr. (Mrs) YGP Auditorium on 22nd January 2019. The Lecture was attended by Deputy Dean & Director Mrs. Sheela Rajendra and Executive Trustee Mr. Y G Rajendraa, Heads and Teachers of PSBB Group of Schools and students of Class XI of NGM and KKN branches, members of Math Appreciation Forum and special invitees including Mr. B G Krishna, Alumnus PSBB and family members of Mr. Chandrasekar.

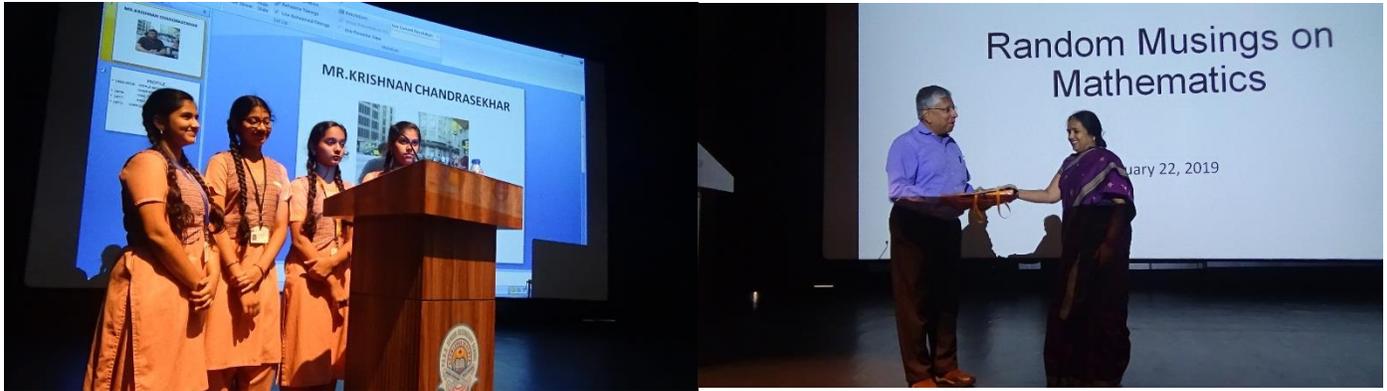
After completing Matriculation from PSBB, Mr. Chandrasekhar pursued higher studies at IIT Madras and IIM Ahmedabad. He began his professional career by working in the private sector in India and later worked at the World Bank Group, Washington DC in Senior Managerial positions.

Mr. Chandrasekhar took up topics which were quite familiar to the students and from then carried it to the next level of understanding. The mystique of π , prime numbers and Probability were few of the areas covered. He began with the history of π , followed by the interesting problems where π surprisingly crops up. These included Buffon’s Problem, Billiard ball collisions and Infinite Series. Having established the importance of this unique number, he moved on to explaining Prime Numbers, their implications and the famous facts and conjectures based on years of research on them from the time of Euclid. He also pointed out their use in cryptography and cyber security. He touched upon the famous Riemann Zeta function which the audience found quite intriguing.

Mr. Chandrasekhar enlightened the audience on the history of the famed mathematician, Leonhard Euler and his massive contributions to mathematics. His major contribution was the equation which is regarded the most beautiful equation in mathematics, $e^{i\pi}+1=0$. He ended his lecture with the very famous Monty Hall problem which was quite a

counter-intuitive problem in probability. The solution to the question and its explanation baffled the young audience.

The session on the whole was both interactive and enlightening. It ended with Mr. K.Chandrasekhar sharing his experience in PSBB and how it helped him in his future years. This lecture really provided the audience with a new perspective on mathematics.



Roving Reporters
KKN