

HSNC University Mumbai
Kishinchand Chellaram College

Under the Aegis of DBT Star Status

Department of Life Sciences

**“Scientific Approach and Temperament and its
Importance in Day to Day Life”**

A session by Dr. Geetha Menon

About the Speaker: Dr. Geetha Menon is an M.Sc and Ph.D, specializing in Plant Physiology and Biochemistry. With a teaching experience of 32 years, she is an Associate Professor (Botany) in R. K. Talreja College, Ulhasnagar. She has 19 research papers and 3 books to her credit. With a passion and love for Science, Dr. Menon is a recognized guide for MSc. by Research and Ph.D, University of Mumbai.

It shall be the duty of every citizen of India to develop scientific temper, humanism and the spirit of inquiry and reform...

The Constitution of India encourages the citizens of India to have a sense of scientific temper. According to the Fundamental Duties under Article 51 A(h)

K.C. College's, Dept. of Life Sciences organized a webinar on 'Scientific Approach and Temperament and its Importance in Day to Day Life' under the aegis of DBT Star Status, on Saturday, 25th July. The lecture was held as a part of Research Insight program for the second year students of SY B.Sc. and TY B.Sc. Life Sciences.

'Science is all around us, its history is as old as the universe and it propels us towards an exciting future. Science is our desire, inquisitiveness and passion to understand the universe, our planet and life on earth. We should never stop questioning and take up ideas that come to us, as challenge. Scientific temperament is what will help us in our quest for knowledge.' With this central message the session started with the early scientists and explained how curiosity couple with the questions 'why' and 'how' made the difference. She explained that if it were not for early thinkers, the chain reaction of hunger for knowledge would not have followed and discoveries would not have been made until years later. Scientists like Archimedes changed the world, closely followed by Pythagoras and Aristotle, who were the pioneers of thinking and the extent the human brain can reach. Dr. Menon also mentioned the period of Renaissance and it's effects on the world later. The modern-day that we live and experience is because of this very period. Pythagoras theorem, Aristotle's discoveries and explanations, The Theory of Relativity, laws of gravity, etc. carved a path for the generations to come after.

She also explained how under the umbrella of science, all fields supported each other and without one, the others would cease to exist. Chemistry and Biology come together in the form of Biochemistry whereas Biology comes together with Physics in the form of Biophysics, each of them vital for survival. This, Dr. Menon summed up mentioning that Biology was as important,

if not more compared to another field. Ma'am also mentioned alchemy and its importance, one of the oldest discoveries made.

She further highlighted the fields of interest concerning 'What after BSc?' With a list of ideas and interesting fields, the students were captivated with numerous options. Ma'am proceeded to show degrees that one can pursue as a Masters. She very efficiently showed each one that biology was beyond textbooks and more about passion and its use in everyday life. One must look around and think, raise questions and then pursue their dream to find the answers, and that nothing was impossible in this world. She ended her talk with a powerful piece of advice, revolving around student's minds and the power it contained. One can be a scientist just as much as Aristotle or Archimedes were!

An interesting series of questions and answers concluded the session, leaving the students brimming with thoughts and a lot more to research on.

Dr. Menon portrayed her thoughts rather beautifully, with an incomparable zest. Her talk had the audience captivated throughout and each of them learnt something new, so as Dr. Menon had said. It instilled a sense of confidence and curiosity, helping the students to go a long way.

The lecture emphasized on developing scientific temperament which as citizens of India is our fundamental duty and as students of science it is imperative that we inculcate it into our daily lives.

Her passion for science was portrayed through her demeanour and zestful personality!!