Science Academies Lecture Workshop

Held on 20th and 21st January 2012

ABACUS, the Mathematics association of St. Joseph’s college, under the supervision and guidance of the Mathematics Department organised a Science Academies Lecture Workshop on 20th and 21st January 2012. The event was coordinated by Mrs. Renee D’Souza. The student coordinator was Ms. Thulasi.M.B, the president of ABACUS. The workshop was sponsored and supported by the Indian Academy of Sciences, Bangalore, the Indian National Science Academy, New Delhi and the National Academy of Sciences, Allahabad.

The workshop consisted of lecture sessions from 9:00 to 13:00 and 14:00 to 17:00. The lectures were delivered by professors from IISc and TIFR. Prof. Harish Seshadri from IISc, enlightened the students with his talk on ‘Topics in Real Analysis.’ He strengthened their understanding of various concepts in Real Analysis by enabling them to visualise it. Prof. R. Sujatha from TIFR, Mumbai, provided a deep insight into the ideas and concepts that linked together the emergence of various groups of numbers viz., the Natural Numbers, the Integers, the Rational Numbers, the Real Numbers and the Complex Numbers. Her talk initiated a thinking process and also provided very interesting details. Prof. Kaushal Verma from IISc, gave an Introduction to Complex Analysis. His way of visualising complex numbers as entities of a two – dimensional space and then extending the tools of multivariable calculus to obtain a calculus tool for the complex numbers was very interesting. Prof. K. Sandeep from TIFR CAM gave an Introduction to Measure Theory.

The workshop witnessed active participation from students of various colleges - MES College, Jain College, Mount Carmel College, Jyothi Nivas College, BMS College, Maharani Science College for Women, Maharani Lakshmi Ammanai College for Women, Bishop Cotton Women Christian College, Al – Ameen College, Government Arts and Science College, National College (Basavanagudi) and St.Joseph’s College.

The lecture sessions were interactive and the students enjoyed the good learning experience. With their confidence levels raised to new heights and their enthusiasm and interest in mathematics kindled, the participants were very much on the track for higher learning in mathematics. The workshop was concluded with a valedictory programme.