

**Prof. Peeyush Chandra, IIT Kanpur delivered a talk on “Mathematical Modelling for HIV primary infection’ on March 26, 2018.**



**Abstract:**

It is well known that HIV is a retrovirus *i.e.* an RNA virus which insert a DNA copy of their genome into the host cell in order to replicate. Thus HIV attacks the immune system and replicates. In recent years many researchers are using mathematical models to understand its infection in the human system. In his talk, he has first discussed the general framework of mathematical modeling and then some mathematical models for drug therapy to prevent its spread *in vivo*.

Prof. AS Vasudeva Murthy, TIFR delivered a talk on “the String Equation of Narasimha” on Sep 27, 2018.



**Abstract:**

The circumstances and significance of the derivation of nonlinear non-local wave equation as a model for the nonlinear vibrations of a string by Roddam Narasimha in 1968 has been discussed.

**Prof. Shobha Madan, IIT Kanpur, delivered a talk on “Mathematics of Wobbly Tables, Honey Bee hives and art from straight lines” on Nov 01, 2018.**





**Abstract**

Mathematics of 'Wobbly Tables', 'Honey Bee Hives' and 'Art from Straight Lines' has been explained in the talk.

**Prof V.D. Sharma, IIT Mumbai delivered a talk on “Differential Equations” on Nov 27, 2018.**