

Speaker : Prof. Pandu Rangan (IIT, Madras)

Title : Mathematics for IT.

Abstract :

What is IT? It is USE of computers, storage, networks etc for processing information and solve real-world problems. That is indeed a good starting point and it triggers questions like what is a problem? What is information and what is processing and finally how do we get a computer and other infrastructure to work for us? We will see that answers to all these questions and many more are in Mathematics!!!!. What is mathematics and how exactly it answers these question? There is no specific prerequisite but knowing that 6 can be broken as a product of two numbers but not 5 and when you toss a coin you have only half a chance to get heads would all be helpful.

Other than this, you need curiosity, enthusiasm to know and learn new things and intentions to get excited on simple and great ideas/human thoughts.