

## **Predictive Analytics**



### **Chair – Prof. Manoj Gopalkrishnan**

Manoj Gopalkrishnan is an Associate Professor of Electrical Engineering at IIT Bombay. He holds a Ph.D. in Computer Science from University of Southern California and a B. Tech. in computer science and engineering from IIT Kharagpur and is a recipient of the Ramanujan fellowship. He has previously held positions at TIFR Bombay, ICTS Bangalore, and Duke University. He studies self-organisation phenomena across various scales from atoms to societies, and dreams of finding a grand unified theory of information, statistics, evolution, thermodynamics, and learning.

#### **Abstract:**

Predictive analytics: Statistics has always been concerned with the problem of extrapolating data points to the future. With the advent of modern machine learning techniques, especially deep learning, we are witnessing a revolution in the degree of sophistication of such analysis. Key enablers of this revolution are the ability to process vast amounts of data, and to integrate information from across multiple modalities with minimal preprocessing. In this session, we will hear from experts from industry and academia who are at the cutting edge of such uses of AI and machine learning tools.