

Title: Understanding the Human Pulse

Speaker: Dr. Aniruddha Joshi

Date, Time and Venue: 29th October Tuesday from 11 to 12 in KD 101, CSE Department.

Abstract:

Pulse Diagnosis (Nadi Pariksha) is used in Ayurveda for ages. However, these have not been scientifically recorded and analysed at scale. Thus, most of the knowledge is restricted to a few specialists. As a part of his PhD pursued at IIT Bombay and NCL, Aniruddha developed a novel assembly for recording the pulse signals from the minuscule ultra-sensitive pulsations on the wrist and found preliminary markers for various disorders including hypertension and diabetes. Further, correlations between the Ayurvedic vaidya's explanations and the frequency & wavelet spectrums from the pulse signals have also been obtained. In the talk Aniruddha will be sharing ideas about understanding human pulse.

Bio:

In brief, Aniruddha Joshi is Founder and CEO of Atreya Innovations Pvt. Ltd. He obtained his PhD in Computer Science from IIT Bombay. He has pursued research for 13 years on pulse patterns with 25 technical papers in pattern recognition and machine learning. He is a recipient of 2 CSIR research fellowships, Ratan Tata Trust Scholarship and J.R.D. Tata Trust Scholarship.