

**Date:** March 26, 2024 (Tuesday)

**Time:** 4PM

**Room:** KD101

**Title:** Applied Machine Learning for Societal Impact: Devices, Satellites and Images

**Abstract:** As artificial intelligence spreads its wings, it provides us an opportunity to tackle long standing societal problems by shortening the information gap – whether it's information about the historical produce of a farm to a bank or declining condition of a road to your local municipal authority. In this talk, I will share examples and opportunities where machine learning based perception systems are being (or could be) used to provide economical and reliable information to the right users at the right time to address many challenges that arise in these socio-technical systems. We will discuss how these 'sentients' could enhance efficiency in data-driven decision making for policy makers as well as operational pipelines.

**Bio:** Dr Anupam Sobti is an assistant professor at Plaksha University. He did a postdoc with Microsoft Research India in the Societal Impact through Cloud an AI (SCAI) group and a PhD at IIT Delhi with the assistive technology group. His current work is in geospatial and embedded perception for agri-urban sensing, using satellite images and ground sensors to understand the interconnectedness of the world. He is excited about applied research in the domain of agriculture and urban planning.