

Presents

Dr. Kuldeep Yadav, Xerox Research

SenseX: Design and Deployment of a Pervasive Wellness Monitoring Platform for Workplaces

With the increasing number of deskjobs, workplaces have become epicentre of health risks such as diabetes, cancer, heart rate, and stroke. Organizations are investing in wellness programs to improve social, mental, and physical health of their employees as well as to reduce their healthcare payback costs. However, current wellness programs resulted in marginal success due to their heavy dependence on wearable devices, which do not result in sustained adoption.

In this talk, I will present a pervasive wellness monitoring platform i.e. SenseX, that uses a variety of workplace-centric devices and infrastructure sensors to track physical activity level and physiological parameters (i.e. heart rate) of employees in an organization. Further, SenseX provides appropriate interventions and real-time notifications by considering an employee's contextual and behavioural aspects. SenseX is deployed in real-world and used by over 100 employees across two different organizations. I will present some of the key findings and longitudinal observations from our deployments.

Towards the end of talk, I will also provide a brief overview of Xerox Research Centre, India with employment opportunities at different level (i.e. summer intern, full-time research role).

Bio: Kuldeep is a researcher in distributed and mobile computing group at Xerox Research, Bangalore. Broadly, his research interests are in mobile sensing, usability evaluation of mobile systems and designing mobile systems for developing countries. The detailed profile can be found here:

<http://www.xrci.xerox.com/profile-main/46>

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2:00 – 3:00 pm

University at Buffalo – North Campus – Davis 113A

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