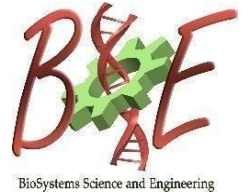




Indian Institute of Science
Centre for BioSystems Science and Engineering
BSSE Seminar



11th November 2019 (Monday), 04:00 PM, MRDG Seminar Hall, 1st floor,
Biological Sciences Building

Wearables and AI in Healthcare

Mr. Rahul Shingrani
ten3T Healthcare, Bengaluru

ABOUT THE SPEAKER



Rahul Shingrani is a biomedical engineer (BE, MS) and a co-founder of ten3T Healthcare. Rahul has worked on medical technology innovations in the areas of wearables for vitals monitoring, cardiac care algorithms, diabetes point of care diagnostics, automated in-vitro diagnostics, medical imaging analysis automations, clinical informatics, and clinical trials. Formerly at Medtronic, Johnson & Johnson, Siemens Healthcare, and Philips Medical, Rahul is a graduate of Mumbai and Marquette Universities.

ABSTRACT

Wearables and AI are poised to make a large impact on healthcare. From early diagnosis, personalised treatments, and preventive care practices, digital health is expected to bring the latest bioengineering and computing advances into clinical environments. ten3T Healthcare is a Bangalore based startup that has engineered and deployed a globally patented, wearable real time vitals monitoring and analytics platform in hospitals and home care settings across India. This talk will dive deep into the technical and commercial aspects of application driven biomedical engineering. Core principles of wearables design and engineering, requirements gathering, iterative prototyping, validation in clinical settings, challenges of technology adoption, and experiments in value creation will be discussed. The talk will encourage engagement and creative thinking around applications of novel biomedical technologies.