

A workshop on medical image analysis and AI enabled solutions for maternal and child health

5th-6th March, 2020

By Dr. Bilqeesa Bhat

The Department of Biotechnology's autonomous institute, the Translational Health Science and Technology Institute (THSTI), Faridabad will organize a workshop to train the attendees on medical image analysis and artificial intelligence (AI)-based solutions for problems of maternal and child health. The workshop can be attended by clinicians, physician-scientists, biologists, computer vision scientists and young researchers.



Maternal and child health is a key indicator of the health of a society particularly in low-middle income countries. A major challenge is the lack of cutting-edge applications for prevention and early diagnosis of diseases that have public health implications. One way forward is to use the recent advances in medical image analysis for addressing these issues.

Machine learning, especially deep learning, is an innovative method to identify, classify, and quantify patterns in medical images that can be used to develop relevant tools for clinical and public health applications. Additionally, these tools can provide understanding of underlying

biological mechanisms. Interdisciplinary groups working in synergy would further augment this initiative.

The workshop will have discussions on the scope of medical image analysis for augmenting research to find innovative solutions in maternal and child health. The two day workshop has four major sessions including keynote address, research question driven seminars, presentations and panel discussions.

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