

Colloquium

The problems, perspectives and pathways of STEM education

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The talk will begin with a few episodes of our experience with the CUBE project at HBCSE, which keeps cultural practices in the foreground and content in the background. The lessons learnt suggest a strong need to situate STEM education in participatory engagements in the form of a community of practice. Based on our inspiration from a pedagogical view point called constructionism, development of our understanding of new science of complex systems, we will discuss the prospects of microworlds, games, model based reasoning and STEM as a rule following activity. This prospect strongly suggests the path of creating street corner clubs that involve people to participate in makerSpaces rather than socially detached classrooms of a school or a college: towards a close-to-life academies powered by new-media.

Friday, Nov 16th 2018

11:30 AM (Tea/Coffee at 11:00 AM)

Auditorium, TIFR-H