



LECTURE 7



Building Science Park: Exploratory, Innovative Space for Experiential Learning



The speaker plans to take the audience on a brief and exciting tour of the Science Park at Centre for Science Education and Communication of SPPU, Pune. For the past 7 years or so he has been developing an experiential science center for school children on the campus of Savitribai Phule Pune University (SPPU). He began work in his small office. Presently they have 15000 sq feet of the designed building, over 1000 kits/ demo exhibits /experiments. They have used all available resources like the web, youtube, science museums, off-the-shelf toys, and vendors for acquiring our exhibits.

They have also designed and built several demonstration experiments/exhibits. The target audience is mostly school children, high school included. However general public can easily enjoy more than a couple of hours in the museum section.

The tour will begin with a Trailer from our short film on the ecosystem (Neel's Dream, produced by Science Park), exhibits like talking trees depicting the importance of a Habitat, a show on termite hill introducing the structure of Termite society. This will be followed by a look at "Our Body" using various models (A talking skeleton show, a full body with completely detachable internal organs).

He will also visit several models in physics such as demonstration of the law of induction, magnetism, etc. We will end our tour by showing a powerful workshop facility, all on the tabletop, such as: cutting tools, wood and metal lathe, shaping tools, and 3d printing.



PROF. DILIP KANHERE

Distinguished Professor,
Coordinator, Centre for Science
Education & Communication,
Savitribai Phule Pune University
Fellow of Indian Academy of Sciences.

About the speaker Prof. Dilip Kanhere, Distinguished Professor, and Coordinator, Centre for Science Education and Communication, Savitribai Phule Pune University (SPPU). Prof. Kanhere has a Ph.D. from the Indian Institute of Technology, Kanpur in Computational Condensed Matter Physics. He joined the University of Pune as a lecturer. His major contribution in his formative years was to bring in a culture of computerization in the University of Pune by introducing computational courses at M.Sc. and B.Sc. levels. Since then he has been a strong motivating factor in the significant and continuing growth of an ICT (information communication technology) culture and infrastructure on the campus. Some of his significant contributions are parallel and high-performance computing (HPC) activities, the establishment of state-of-the-art optic-fiber-based campus-wide LAN (as early as 1993), the establishment of several HPC facilities and a unique grid computing initiative, and the formation of centers and schools such as the Interdisciplinary School of Scientific Computing (ISSC), Centre for Network Computing (CNC), and a multidisciplinary Centre for Modeling and Simulation (CMS). He has received the Meghnad Saha Award for Theoretical Sciences from UGC in 2003 and was a senior associate at Abdus Salam International Centre for Theoretical Physics, Italy.

SATURDAY | 22nd JANUARY 2022 | 11.00 AM

LIVE STREAM ON  **zoom**

