



**PUNE KNOWLEDGE CLUSTER & INDIAN ACADEMY OF SCIENCES PRESENT INDIA S&T @ 75
LECTURE SERIES**

**Title: Building Science Park: Exploratory, Innovative Space for
Experiential Learning**

Organized By	Pune Knowledge Cluster (PKC)
Date	13th Nov 2021
Time	11:00 AM - 12: 30 PM
Abstract	<p>The speaker is planning to take the audience on a brief and exciting tour of Science Park@ Centre for Science Education and Communication of SPPU, Pune. For the past 7 years or so We have been developing an experiential science center for school children on the campus of SPPU. We began work in my small office. Presently we have 15000 sq feet of the designed building, over 1000 kits/ demo exhibits /experiments. We have used all available resources like the web, youtube, science museums, off-the-shelf toys, and vendors for acquiring our exhibits. We 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. Then we will 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</p>
Open to all	It's public talk. Open to all
Potential Gains	<p>As a part of the "India S&T @75" events during the countdown to the 75th year of India's independence, the Pune Knowledge Cluster will be organising a number of lectures on scientific topics. These lectures will be delivered by Fellows and Associates of the Indian Academy of Sciences, who are based in Pune, and will be organised in association with the Academy. The lectures will cover a wide variety of topics, ranging from cutting edge science and technology to developments in these areas in the country over the 75 years since independence.</p>
Speaker	Prof.Dilip Kanhere, Fellow, Indian Academy of Sciences



Profiles of Speaker



Brief information about the speaker

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.

About the Organizer



The Pune Knowledge Cluster (PKC) has been established by the Office of the Principal Scientific Adviser to the Government of India. It aims to bring together academia, R&D institutions, and the industry of Pune and its surrounding areas, to address the challenging problems of the region through innovative means, using scientific knowledge and engaging highly skilled human resources.

PKC is administered by the Inter-University Centre for Astronomy and Astrophysics (IUCAA). In the initial phase, PKC would focus on Health, Sustainability and Environment, Sustainable Mobility, BIG Data and AI and Capacity Building

For more information, visit: <https://www.pkc.org.in/>