Pune Knowledge Cluster (PKC)
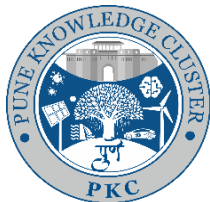
Presents

A 2-Day Online Teacher Training Workshop on
"Active Learning Strategies in STEM"
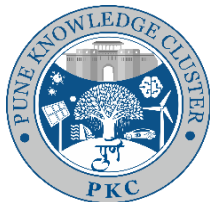
Organized By	Pune Knowledge Cluster (PKC)
Date	13 and 14 September 2023
Time	**12:00 pm – 1:30 pm (Both days)**
Location	Online Workshop on Zoom Platform (Link details shared with registered participants)
Workshop Duration	2 Days (In ONLINE mode)
About the workshop	Its a 2-Day Online Teacher Training Workshop on "Active Learning Strategies in STEM" **Day 1: Wednesday,13 September 2023 – Game-Based Learning (Time-12.00 pm to 1.30 pm) : Trainer- Mr. Kartic Vaidyanathan (Consultant PKC, IIT-Madras)** In this session, the participants will learn about game-based teaching and its importance, Participants will get to play games in science/chemistry and a glimpse of how to integrate games with regular teaching in classes. **Day 2: Thursday,14 September 2023 - The super FiVE- STEAM Engine for effective learning (Time-12.00 pm to 1.30 pm): Trainer- Mrs. Shanti Pise (Teacher Educator and Outreach Enthusiast at IISER-Pune)** Research studies have proved that - Actively involving and engaging the students in the learning process increases the chances of meaningful learning. In this session, Ms. Shanti is going to share 5 new strategies for STEM learning that would be easily adopted in the classroom. She is calling them -The Super Five - Steam Engine- that would take you to different destinations and help the students enjoy the process of learning.
For whom	School Teachers teaching Science and Mathematics from Class 5-10

Trainers	• Trainer- Mr. Kartic Vaidyanathan (Consultant PKC, IIT- Madras) • Trainer- Mrs. Shanti Pise (Teacher Educator and Outreach Enthusiast at IISER-Pune)
Number of seats	It is an Online workshop. We encourage school teachers teaching science and mathematics to register for the workshop.
Registration Link	https://bit.ly/3P1tQnJ
Registration Fees	No registration fees. It is a FREE workshop.

Schedule of the course:

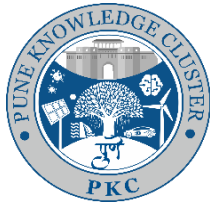| Date	Time	Topic	Trainer
13th Sept 2023	12:00pm – 1:30 pm	Game-Based Learning	Mr. Kartic Vaidyanathan (Consultant PKC, IIT- Madras)
14th Sept 2023	12:00pm – 1:30 pm	The super FiVE- STEAM Engine for effective learning	Mrs. Shanti Pise (Teacher Educator and Outreach Enthusiast at IISER-Pune)

Profiles of Trainers

Kartic Vaidyanathan
(Consultant PKC, IIT- Madras)

Kartic Vaidyanathan is a guest faculty at IIT Madras and a gamification consultant who works with educational institutions and corporates for making learning enjoyable and interactive through games. He has been teaching a course at IIT Madras called "Let Us Play to Learn" to help students build games for science and engineering subjects. Over the last several years, he has worked on games with both young and old learners. The outcome in almost all cases has been improved classroom interactivity and learner engagement. He is a currently a consultant with the PKC as a part of the BASF Chemistry gamification project and helps in building games and do teachers training in game-based learning pedagogy.

Shanti Pise
(Teacher Educator and Outreach Enthusiast at IISER-Pune)

Mrs Shanti Pise is an enthusiastic teacher educator and outreach professional with a passion to implement innovative ideas and ideals to bring a positive change in the education system. She is keen to develop creative, realistic and unique practices of teaching and STEM outreach that enables the teachers, students and general public to enhance their learning and interest in STEM subjects. She has more than 19 years of teaching and management experience at various levels right from primary through college level- teacher education!

About the Organizer

About the Organizers	**The Pune Knowledge Cluster (PKC)** has been established by the Office of the Principal Scientific Adviser to the Government of India. It aims is 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/