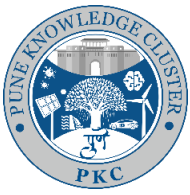


Pune Knowledge Cluster in Collaboration with Persistent Systems *Presents*


Course On Responsible Artificial Intelligence

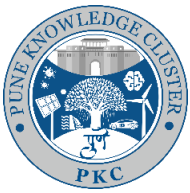
Organized By	Pune Knowledge Cluster (PKC)
In Collaboration With	Persistent Systems
Date	Start Date: 5 th April 2021 End Date: 31 st May 2021
Location	The course will be conducted on an online platform
Course Duration	The course consists of 12 online sessions followed by 2 days of laboratory demonstrations in the laboratories of Agharkar Research Institute, Pune
Course Description	There is rapid technical progress and widespread adoption of Artificial Intelligence (AI) based products and workflows influence many aspects of human and business activities like banking healthcare, advertising and many more. Although the accuracy of AI models is undoubtedly the most important factor considered while deploying AI-based products, there is an urgent need to understand how AI can be designed to operate responsibly. Responsible AI is a framework that each software developing organization needs to adapt to build customer trust in the transparency, accountability, and fairness of deployed AI solutions.
For whom	This course is designed for professionals, researchers, practitioners and students who have hands-on experience of building machine learning and deep learning models. It was advisable to have a basic understanding on Python programming language using Google Colab or Jupyter notebooks.
Potential Gains	To introduce the current state of Responsible AI, challenges and future opportunities in the field of AI.
Trainers	Bhushan Garware Mukta Paliwal Duttaraj Rao Amogh Tarcar Snehakumar Sahani Anibha Athalye
Number of Seats	The maximum number of participants are limited to about 20








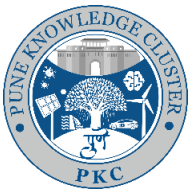
Schedule of the course

Sr. No.	Topic	Presenter
1	Introduction to Responsible AI	Bhushan Garware, Ph.D.
2	Interpretable and Explainable AI -I	Bhushan Garware, Ph.D.
3	Interpretable and Explainable AI -II	Mukta Paliwal, Ph.D. & Dattaraj Rao
4	Fairness AI - I	Dattaraj Rao
5	Privacy-Preserving AI -I (Federated Learning)	Amogh Tarcar
6	Privacy-Preserving AI -II	Amogh Tarcar
7	Privacy-Preserving AI -III	Snehkumar Shahani
8	Secure AI	Bhushan Garware, Ph.D.
9	Reproducible AI	Anibha Athalye



Presenter	Brief Profile
 Bhushan Garware	Dr. Bhushan Garware works as a senior Data Scientist at Persistent Systems Ltd. Pune, India. Bhushan holds Ph.D. degree with Gold Medal and has three patents on his name. He has conducted many workshops and tutorial sessions on Machine Learning in several industries, academia and research institutes. Bhushan has been nominated as member of board of studies for Electronics and Electrical Engineering by Hon. Vice chancellor of Savitribai Phule Pune University. His research interest areas are Explainable AI and Assistive Intelligence.



 <p>Dattaraj Rao</p>	<p>Dattaraj Jagdish Rao is the author of the book “Keras to Kubernetes: The journey of a Machine Learning model to Production”. Dattaraj leads the AI Research Lab at Persistent which is responsible for driving thought leadership in AI/ML across the company.</p>
 <p>Mukta Paliwal</p>	<p>Mukta Paliwal, PhD, IITB is presently working as Senior Domain Expert at AI Research Lab, Persistent Systems. Her present focus is utilizing the cutting-edge development work happening in the area of graph data science to solve challenging use cases in healthcare, banking and financial domain.</p>
 <p>Amogh Tarcar</p>	<p>Amogh Kamat Tarcar is a Machine Learning Researcher in AI Research Lab currently exploring privacy preserving machine learning techniques. In his role he explores the potential of latest machine learning techniques and helps transform ideas into solutions.</p>
 <p>Snehkumar Shahani</p>	<p>Snehkumar Shahani is a Ph.D. Scholar at the Dept of Technology, Savitribai Phule Pune University working in the area of Privacy-Preserving Data Analysis with a focus on Differential Privacy. He is a recipient of the Prime Minister’s Fellowship Scheme for Doctoral Research with Persistent Systems Ltd as a sponsor.</p>
 <p>Anibha Athalye</p>	<p>Anibha Athalye is a Practice head for AI-ML practice at Persistent. A key charter for her team includes partnering with customers/enterprises on their AI-ML initiatives and ensuring that their ML investments are converted into tangible business benefits. Hence focus on ML in production beyond just ML model development is a key area of interest and work for her.</p>



Persistent

	<p>About the organizer: The Pune Knowledge Cluster (PKC)</p> <p>The Pune Knowledge Cluster (PKC) has been established by the Office of the Principal Scientific Adviser to the Government of India. The aim 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. Furthermore, PKC aims to foster capacity building and promote skills development and entrepreneurship among the students and professionals of the city. All relevant organizations and experts will be partners and consulted to identify sustainable solutions to the problems of the city and improve its liveability and prosperity. While the PKC is administered by the Inter-University Centre for Astronomy and Astrophysics (IUCAA), it is a project of and for the whole city. In the initial phase, PKC would focus on air, water, health, and sustainable mobility. For more information, visit: https://www.pkc.org.in/</p>
 <p>Persistent</p>	<p>About Persistent Systems</p> <p>Persistent Systems (BSE & NSE: PERSISTENT) is a global solutions company delivering digital business acceleration, enterprise modernization, and digital product engineering for businesses across all industries and geographies.</p>