



Pune Knowledge Cluster

Presents

Conversations with Women Role Models in STEM

An adventure ride in the automotive sector

Organized By	Pune Knowledge Cluster (PKC)
In collaboration with	BASF Chemicals India Pvt. Ltd.
Date	Friday, 12th July 2024
Time	4:30 PM to 6:00 PM (IST)
Description of the talk series	An initiative by The Pune Knowledge Cluster, which aims to bring forward the journey of women in various fields of Science, Technology, Engineering & Mathematics (STEM). This series is conducted in an informal conversational format to help the audience relate to the lives of successful women professionals in S&T, knowing first-hand about their success stories, their failures, and how they moved ahead to make a mark in their field. We hope this initiative will inspire young women to break gender stereotypes, societal barriers and encourage them to pursue careers in STEM.
For whom	It's public talk. Open to all
Potential Gains	Women Role Model Talk series aims to create a supportive ecosystem for women in science to build professional networks, meet women role models and develop leadership skills. The speaker will share details about their journey, research work, and motivation to engage in Chemistry.
Speaker	Name: Mrs. Ujjwala Karle Affiliation - Deputy Director & Head, Technology Group & Digital Twin Lab Automotive Research Association of India (ARAI)
Registration Link	Shorten Registration Link: https://bit.ly/3VkkOO4 QR Code for registration link: 



Profile of the Speaker



Mrs. Ujjwala Karle
Deputy Director & Head,
Technology Group &
Digital Twin Lab, (ARAI)

Ujjwala is an alumni of the Savitribai Phule Pune University (SPPU), where she graduated in Engineering (Electronics). Starting her career at ARAI as a research assistant, she worked her way up to General Manager and has 30 years of experience in the field of Automotive Electric & Electronics controls development, evaluation & implementation. Presently, she is leading the Technology group of ARAI and the Digital Twin Lab focusing on providing engineering solutions for Indian mobility.

She also leads the TechNovuus-ARAI team, an ecosystem to enable indigenous, inclusive technology innovation for Indian mobility. Ujjwala helped creating the first electronic fuel injection system in India (1994), which was successfully installed in Fiat cars.

In a joint initiative with ISRO, her team successfully repurposed space knowledge to automotive use cases for lithium-ion battery technology, and effectively introduced it for 2Wheeler in 2017. Her contributions are instrumental in advancing automotive technology and ensuring vehicles safety and efficiency. She has more than 40 technical papers and couple of Indian patents.

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/>



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