



PKC PRESENTS CONVERSATIONS WITH

# WOMEN ROLE MODELS IN STEM

## AN ADVENTURE RIDE IN THE AUTOMOTIVE SECTOR



**FRIDAY**

**12<sup>th</sup> July 2024**

**4:30PM - 6:00PM  
(IST)**

**Talk is FREE and Open to All.  
Registration is mandatory.**

To Register:  
<https://bit.ly/3VKk004>  
or Scan QR code



### **Mrs. Ujjwala Karle**

**Deputy Director & Head,  
Technology Group & Digital Twin Lab  
Automotive Research Association of India  
(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.

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.

[www.pkc.org.in](http://www.pkc.org.in)