

Webinar on
**AI and Deep Learning
in Industrial Automation**
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Technically sponsored by

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Section
IES-IAS-PELS JOINT CHAPTER

Speaker

Dr. Priyanka Sharma

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About the speaker

Dr. Priyanka Sharma

Priyanka has been associated as AI Consultant and Corporate Trainer with multiple international firms. She has published more than 50 research papers in International Journal, Books and Conferences. Her international exposure includes visits to San Jose, Los Angeles, San Francisco, Irvine, San Diego, Long Beach in USA, Halifax and Toronto in Canada, Dubai and Abu Dhabi for industrial collaborations. She holds the office as:

- Vice President Projects - AI at Samyak Infotech Pvt Limited
- AI Advisor to Rastriya Raksha University (National Security and Police University of India)
- NVIDIA Deep Learning Ambassador since 2018
- Vice chair (Technical) of a Joint Chapter of IEEE IA / IE / PELS - Gujarat Chapter
- Executive Committee member of Computer Society of India - AC
- National Level Subject Expert committee Member (for AI Projects) of multiple project funding schemes of DST (Government of India)

Abstract

Artificial intelligence (AI) and deep learning have the potential to revolutionize industrial automation leading to increased efficiency, accuracy, and speed in manufacturing processes, as well as enhanced ability to handle a wider range of products. Some potential applications of AI and deep learning in industrial automation includes: Predictive maintenance, Quality control, Process optimization and Decision making.

In manufacturing setups, deep learning algorithms can be trained to identify defects in products, ensuring that only high-quality products reach the consumer.

Overall, the integration of AI and deep learning in industrial automation has the potential to significantly improve efficiency and productivity, leading to cost savings and increased competitiveness for businesses.

Learning outcome for participants: Towards the end of the Talk the participants will learn

- Fundamentals of Artificial Intelligence (AI), Machine Learning and Deep Learning
- Understanding applications of Deep Learning
- Unravel the mystery behind accuracy of deep learning models
- Case studies on use of AI and Deep Learning in Industrial automation

WEBINAR IS FREE BUT REGISTRATION IS MANDATORY

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