



National Institution for Quality & Reliability Chennai Branch

AI-Driven Engineering for Manufacturing and Quality (A practical, interactive one-day workshop)

18th July 2026 (Saturday) | 09:15 AM to 05:30 PM

**Venue: Entrepreneurship Development and Innovation Institute, Samanthi Hall, Second Floor,
Parthasarathy Koil Street, Ekkaduthangal, Chennai-600032.**



About the Resource Person:

Mrs. Hamseswari Renganathan is a strategic technology leader with a strong background in driving digital transformation and AI innovation in quality-centric manufacturing environments. With over two decades of experience across industry leaders like Oracle, ZF Group, Nokia, and Texas Instruments, she has led impactful initiatives to drive predictive quality, autonomous decision-making, and real-time execution. She is currently focused on advancing AI-driven transformation in manufacturing operations, with a strong emphasis on deploying AI agents to enable intelligent, context-aware decision-making on the shop floor. She is certified by Nokia Bell Labs on 5G Industrial Automation Networks, holds advanced degrees in Electrical Engineering and Management.



Mrs. Hamseswari Renganathan

Principal Product Strategy Manager,
Oracle

About the workshop:

This workshop focuses on practical applications of AI in daily engineering work. It is NOT a technical deep dive, coding session or data science training. The workshop will introduce participants to the basics of Generative AI, Agentic AI, and AI-enabled workflows in a simple, application-oriented way. The emphasis will be on understanding what these technologies can do, where they can be useful, and how engineering teams can identify realistic opportunities for adoption. Participants will explore how AI can support manufacturing and quality activities such as troubleshooting, root cause analysis, process improvement, defect reduction, documentation, inspection support, CAPA, audit preparation, knowledge management, and decision-making.

Workshop Style

- Practical examples from manufacturing and quality environments.
- Interactive discussion rather than lecture only delivery.
- Use-case brainstorming based on participants' own work areas.
- Evaluation of ideas using value, feasibility, data readiness and risk.

Audience Takeaways

- A practical understanding of Generative AI and Agentic AI.
- Awareness of AI applications in manufacturing and quality engineering.
- A structured method to identify and evaluate AI use cases.
- Initial AI ideas relevant to participants' own functions.

**Fees: ₹ 5000 + 18% GST
= ₹ 5900**

**30% DISCOUNT IN FEES
for the NIQR Life Members**

**NIQR Chennai Branch,
SB A/c No: 0183 0100 0015 667
IOB Branch : Nungambakkam
IFSC No : IOBA0000183**

For Registrations Contact :

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Mr. G. Govindaraju - 95432 46256
Email: niqrchennai@gmail.com**

Register at



<https://tinyurl.com/NIQR-Chennai-events>

Target Participants:

Recommended for Manufacturing Engineers, Quality Engineers, Process Engineers, Continuous Improvement teams, Production support teams and technical managers.

For NIQR Life Membership at a discounted rate:

<https://niqr.in/life-time-membership/>

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