## **Workshop Overview**

This four-hour workshop equips GE HealthCare leaders with the knowledge and hands-on experience to navigate AI’s rapidly evolving landscape. Participants will learn key AI concepts, explore strategies for implementation, and practice prompt-writing skills to drive better decision-making, while keeping an eye on ethical, legal, and organizational considerations.

### **Target Audience**

* Directors, managers, and senior leadership at GE HealthCare
* Participants who need to make strategic decisions about AI adoption
* Stakeholders involved in data, analytics, product, or process transformation

### **Key Theme**

AI is not merely a technical tool — it’s an integral part of **strategic decision-making**. Leaders should **balance opportunity and risk** while fostering a culture of responsible innovation.

## **Learning Objectives**

By the end of this workshop, participants will be able to:

1. **Summarize** current trends, use cases, and ethical considerations in AI.
2. **Evaluate** their organization’s place in the AI ecosystem and identify talent/infrastructure needs.
3. **Explain** the fundamentals of writing effective AI prompts for leadership tasks such as performance reviews, data analysis, and strategic planning.
4. **Analyze** generative AI opportunities through a lens of **desirability, viability, and feasibility**—especially in high-consequence environments like healthcare.
5. **Develop** an action plan to integrate AI responsibly and effectively within their teams.

## 

## 

## **Suggested Agenda (4 Hours)**

| **Time** | **Topic** | **Format** |
| --- | --- | --- |
| **0:00 - 0:10** | **Welcome & Introduction** | Lecture + Brief Discussion |
| **0:10 - 0:40** | **Section 1: The AI Landscape** | Lecture + Discussion |
| **0:40 - 1:10** | **Section 2: Ethical & Legal Considerations** | Lecture + Case Studies |
| **1:10 - 1:20** | **Short Break** | N/A |
| **1:20 - 2:00** | **Section 3: Fundamentals of Effective Prompt Writing** | Lecture + Hands-On Demos |
| **2:00 - 2:30** | **Section 4: Strategic Considerations** | Lecture + Group Activity |
| **2:30 - 2:40** | **Short Break** | N/A |
| **2:40 - 3:30** | **Section 5: Hands-On Exercises & Data Activity** | Individual Exercises + Debrief |
| **3:30 - 3:50** | **Section 6: The Future of AI** | Lecture + Discussion |
| **3:50 - 4:00** | **Wrap-Up & Q&A** | Reflection + Q&A |

***Note****: Timings are approximate. Adjust based on participant engagement, questions, and the depth of discussions.*

## **Instructor Preparation Checklist**

* **Slides & Materials**
  + Review the “AI for Leaders [4 Hours]” slide deck and any supplementary resources.
  + Prepare short video clips or embedded demos (e.g., Copilot or other AI tools).
* **Tools & Demos**
  + Ensure participants have access to relevant AI tools (e.g., Microsoft Copilot).
  + Have sample data files ready (if using hands-on data activities).
  + Test your demo prompts with the LLM you’ll be using (e.g., Copilot, ChatGPT, etc.).
* **Group Exercises**
  + Confirm how you will facilitate breakouts or group discussions (Zoom rooms, in-person tables, etc.).
  + Prepare instructions and any needed handouts (physical or digital).
* **Policies & Best Practices**
  + Familiarize yourself with **GE HealthCare’s Responsible AI Principles** and how to guide participants in applying them.
  + Review any industry regulations (e.g., HIPAA, GDPR) that might come up in discussion.

## **Facilitation Notes & Teaching Tips**

Below are suggestions for **each major section** of the workshop:

### **0:00 - 0:10 | Welcome & Introduction**

1. **Warm-Up & Context Setting**
   * Introduce yourself and share a quick personal anecdote on AI in leadership.
   * Prompt participants: “What do you hope to learn about AI today?”
   * Emphasize that **active engagement** and **hands-on experimentation** are key.
2. **Learning Objectives & Agenda**
   * Present the workshop roadmap: “We’ll explore AI’s landscape, its ethical considerations, prompt writing, and strategic integration.”

### **0:10 - 0:40 | Section 1: The AI Landscape**

1. **Overview of Generative AI**
   * Define **generative AI** and **large language models (LLMs)** with quick examples (ChatGPT, Bard, Copilot, etc.).
   * Highlight the difference between **open-source** vs. **proprietary** models, referencing real-world providers (OpenAI vs. open-source frameworks).
2. **Discussion: Current AI Adoption & Hype**
   * Show or discuss **Gartner Hype Cycle** or a relevant chart to illustrate “peak hype.”
   * Invite participants to share **what they’ve seen** or **tried** in AI — successes and concerns.
3. **Talent & Infrastructure**
   * Summarize how AI adoption requires **ML engineers, data scientists**, and robust infrastructure.
   * Explore how leadership’s role is to champion the right mix of **build vs. buy** decisions.
4. **Short Interactive Discussion (5 minutes)**
   * “What challenges do you anticipate for AI adoption at GE HealthCare?”
   * Capture concerns on a whiteboard or digital board to revisit later.

### **0:40 - 1:10 | Section 2: Ethical & Legal Considerations**

1. **Major Ethical & Legal Challenges**
   * **Bias in Data & Models**: Differentiate **statistical bias** from **societal bias**.
   * **Hallucinations**: Explain how LLMs can produce confident-sounding yet false outputs.
   * **Compliance & Privacy**: Stress the importance of robust data handling, referencing **GE HealthCare’s Responsible AI Policy**.
2. **Case Studies**
   * **Resume-Screening Example**: Where AI inadvertently perpetuates hiring biases.
   * **Healthcare Data Summaries**: The risk of hallucinations in critical contexts.
   * Emphasize: “High-consequence fields like healthcare demand thorough checks.”
3. **Short Brainstorm (5-10 minutes)**
   * Ask participants: “Where do you see the biggest risk in your organization for AI misuse or misinterpretation?”
   * Gather a few examples, then briefly discuss mitigation strategies.

### **1:10 - 1:20 | Short Break**

Encourage participants to **stretch, grab water**, or informally chat about the session so far.

### **1:20 - 2:00 | Section 3: Fundamentals of Effective Prompt Writing**

1. **Why Prompting Matters**
   * Remind participants that these AI models are **only as good as** the prompts they receive.
   * “A question asked in the right way often points to its own answer.”
2. **The 4 Cs of Good Prompts**
   * **Clear**: Use precise language, avoid ambiguity.
   * **Concise**: Enough detail, but not overloaded.
   * **Commanding**: Use instructions like “List,” “Explain,” “Compare.”
   * **Contextual**: Provide relevant background.
3. **Live Demonstration**
   * Show a **basic prompt** vs. an **improved prompt** in Copilot (e.g., “Write a performance review” → “As an HR manager, craft a performance review...”).
   * Introduce **Chain-of-Thought Prompting**: “Take a deep breath and solve step by step.”
4. **Mini Practice** (5 minutes)
   * Distribute a quick **weak prompt** example. Have participants refine it. Share results.

### **2:00 - 2:30 | Section 4: Strategic Considerations**

1. **Desirability, Viability, Feasibility**
   * Present a mental model for evaluating AI use cases, especially in healthcare.
   * **Desirability**: Is the solution genuinely useful? What if the model is wrong?
   * **Viability**: Does it align with strategic goals or compliance needs?
   * **Feasibility**: Do we have the infrastructure, talent, and data?
2. **Human-AI Collaboration**
   * Reference real research: BCG’s LLM pilot where consultants saw faster work but also the **“falling asleep at the wheel”** phenomenon.
   * Emphasize the need for **human oversight** — especially for critical tasks.
3. **Group Activity (10-15 minutes)**
   * **Prompt**: “Brainstorm a potential AI use case in your team or division. Is it incremental or transformational? Evaluate it via desirability/viability/feasibility.”
   * **Share Out**: Each group offers one insight or challenge discovered.

### **2:30 - 2:40 | Short Break**

Use this time to transition to deeper, more hands-on exercises.

### **2:40 - 3:30 | Section 5: Hands-On Exercises & Data Activity**

1. **Exercise A: Writing Effective Prompts for Leadership Tasks**
   * **Scenario**: Draft an internal memo to your leadership team, summarizing the current state of AI adoption.
   * **Prompt**: Provide participants with a short bullet list of AI benefits, concerns, and next steps.
   * **Goal**: Students create a strong prompt that yields a well-structured, leadership-ready memo.
   * **Debrief**: “How did you refine your prompt for clarity?”
2. **Exercise B: Performance Review & Chain-of-Thought**
   * **Scenario**: You have 3 performance review notes from different stakeholders about a manager’s performance.
   * **Task**: Use chain-of-thought prompting to generate a balanced performance summary, with bullet points for strengths and growth areas.
   * **Debrief**: “What changed when you told the model to think step by step?”
3. **Exercise C: Data Consolidation for Operational Insights**
   * **Scenario**: You have three synthetic datasets (e.g., Equipment Utilization, Patient Satisfaction, Hospital Staffing).
   * **Task**: Combine them in Copilot (or another LLM) by writing prompts that produce a **concise summary** of correlations/trends.
   * **Debrief**: “How did the model handle multi-dataset analysis? What concerns do you have about accuracy or hallucination?”

**Instructor Tip**: If participants do not have actual data, provide them with sample CSV/Excel files ahead of time.

### **3:30 - 3:50 | Section 6: The Future of AI**

1. **Emerging Trends**
   * **Agentic AI**: Offer a quick overview of “AI agents” that can automate multi-step tasks.
   * **Transformative vs. Incremental** approach: The difference in ROI and risk.
   * **Regulatory Landscape**: Mention potential government regulations or internal rules on AI usage.
2. **Videos or Quotes**
   * Show short excerpts from industry leaders (e.g., Andrew Ng’s perspective on “AI is the new electricity”).
   * Facilitate a short **discussion**: “Where do you see AI at GE HealthCare in 5 years?”

### **3:50 - 4:00 | Wrap-Up & Q&A**

1. **Key Takeaways**
   * Summarize the workshop highlights:
     + The **4 Cs** of prompts
     + The **Desirability/Viability/Feasibility** model
     + Importance of **ethical, responsible** AI use
     + Future-oriented mindset to remain competitive
2. **Action Items**
   * Encourage participants to **try one real AI use case** in the next two weeks.
   * Form a **cross-functional AI working group** if it doesn’t exist.
3. **Open Q&A**
   * Invite final questions, address concerns, and clarify next steps.
   * Share any relevant resources or upcoming training.

## **Instructor Resources**

* **Slide Deck**: GE HealthCare – AI for Leaders [4 Hours]
* **GE HealthCare Responsible AI Principles Policy**
* **Sample Data Files**: For the multi-dataset exercise
* **Sample Prompts**: For performance reviews, strategy memos, etc.

## **Closing Notes**

* **Encourage Experimentation**: Remind participants they will learn the most by **hands-on practice**—and by **questioning outputs** for accuracy or bias.
* **Highlight Collaboration**: AI doesn’t replace the human factor; leaders should combine AI’s speed with **human expertise** and judgment.
* **Emphasize Responsible Innovation**: Always align new AI solutions with **compliance, ethics, and stakeholder well-being**—particularly critical in healthcare.
* **Feedback**: Encourage participants to fill out the **workshop feedback survey** and share their next steps for implementing AI in their roles.