

Course No. 1190

# Large Language Models (LLMs) Training Course

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MACHINE LEARNING & COMPUTER VISION  
ARTIFICIAL INTELLIGENCE & APPLICATIONS

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DURATION

**5 Days**

DELIVERY

**Classroom**



## Course Overview

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The Large Language Models (LLMs) Training Course is a comprehensive professional development program designed to equip executives, managers, specialists, and business professionals with the knowledge and practical skills required to understand, evaluate, and implement Large Language Models (LLMs) within modern organizations. As LLMs have become the foundation of Generative Artificial Intelligence, they are transforming how organizations create content, analyze information, automate workflows, enhance customer engagement, and support strategic decision-making. This course provides participants with a practical understanding of how LLMs work and how they can be effectively integrated into enterprise environments to improve productivity, innovation, and operational performance.

Government entities, ministries, public sector organizations, banks and financial institutions, oil and gas companies, healthcare providers, educational institutions, manufacturing organizations, consulting firms, telecommunications companies, and multinational corporations increasingly rely on Large Language Models to process vast amounts of structured and unstructured information. LLMs enable organizations to automate document creation, summarize reports, analyze policies and regulations, improve knowledge management, develop intelligent assistants, enhance customer service, accelerate research, and streamline business operations while supporting enterprise-wide digital transformation initiatives.

This course focuses on the practical application of Large Language Models across business environments. Participants will explore the architecture and capabilities of modern LLMs, understand prompt engineering techniques, evaluate model outputs, develop AI-assisted business solutions, automate knowledge-intensive tasks, and integrate LLMs into enterprise workflows. The program also covers retrieval-augmented generation (RAG), AI assistants, enterprise search, document intelligence, responsible AI, governance, cybersecurity, privacy, regulatory compliance, risk management, and implementation best practices to ensure secure and effective organizational adoption.

The Large Language Models (LLMs) Training Course combines interactive workshops, practical exercises, enterprise case studies, and internationally recognized best practices to help participants confidently adopt and manage LLM-powered business solutions. By the end of the course, participants will be able to identify high-value use cases, optimize business processes, improve decision-making, strengthen organizational knowledge management, support innovation initiatives, and develop sustainable enterprise AI strategies using Large Language Models.

## Objectives

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- Analyze the architecture, capabilities, and limitations of Large Language Models.
- Develop practical skills for utilizing LLMs across enterprise business functions.
- Evaluate organizational opportunities for implementing LLM-powered solutions.
- Apply prompt engineering techniques to maximize the accuracy and quality of LLM outputs.
- Design enterprise workflows that integrate Large Language Models into business operations.
- Improve productivity, collaboration, and decision-making through AI-powered language technologies.
- Strengthen understanding of responsible AI, governance, cybersecurity, privacy, intellectual property, and regulatory compliance.
- Implement quality assurance and validation practices for LLM-generated outputs.
- Assess risks, ethical considerations, and operational challenges associated with enterprise LLM adoption.
- Align Large Language Model initiatives with digital transformation, innovation, and organizational strategy.

## Who Should Attend

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This course is designed for executives, senior managers, digital transformation leaders, AI strategy professionals, innovation managers, IT managers, business analysts, project managers, operations managers, data professionals, knowledge management specialists, customer service leaders, communication managers, marketing professionals, HR managers, consultants, and decision-makers responsible for enterprise AI adoption and digital transformation initiatives.

The program is equally valuable for professionals working in government entities, ministries, public sector organizations, banks and financial institutions, oil and gas organizations, healthcare providers, manufacturing companies, educational institutions, telecommunications companies, consulting firms, and multinational corporations seeking to leverage Large Language Models to improve operational efficiency and business performance.

Professionals responsible for enterprise architecture, business process improvement, knowledge management, customer engagement, document management, compliance, governance, business intelligence, innovation, strategic planning, learning and development, and organizational

transformation will benefit from the practical implementation frameworks presented throughout the course.

## Learning Outcomes

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- By the end of this course, participants will be able to:
- Explain the principles, architecture, and capabilities of Large Language Models.
- Apply prompt engineering techniques to produce accurate and reliable AI-generated outputs.
- Utilize LLMs for content creation, document analysis, business communication, and enterprise knowledge management.
- Develop AI-assisted workflows that improve operational efficiency and productivity.
- Evaluate the quality, reliability, and business relevance of LLM-generated responses.
- Implement retrieval-augmented generation (RAG) concepts for enterprise knowledge solutions.
- Apply responsible AI principles while protecting confidential organizational information and ensuring regulatory compliance.
- Integrate Large Language Models into enterprise business processes and digital transformation initiatives.
- Identify strategic opportunities for deploying LLM-powered solutions across business functions.
- Develop implementation roadmaps for sustainable enterprise adoption of Large Language Models.

## Course Outline

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### DAY 01

## Foundations of Large Language Models

- Introduction to Generative Artificial Intelligence and Large Language Models
- Evolution and architecture of modern LLMs
- Natural Language Processing fundamentals
- Enterprise applications across industries

**PRACTICAL WORKSHOP ON IDENTIFYING LLM BUSINESS OPPORTUNITIES**

## DAY 02

## Prompt Engineering and Enterprise Applications

- Principles of prompt engineering
- Designing effective prompts for professional use
- AI-powered content creation and business communication
- Document analysis, summarization, and enterprise search

**PRACTICAL EXERCISE**

Practical exercise using Large Language Models for business scenarios

## DAY 03

## Advanced LLM Solutions

- Retrieval-Augmented Generation (RAG) concepts
- Enterprise AI assistants and intelligent chatbots
- Knowledge management and document intelligence
- Responsible AI, governance, cybersecurity, privacy, intellectual property, and compliance

**WORKSHOP**

Workshop on evaluating enterprise LLM implementation scenarios

## DAY 04

## Integrating LLMs into Enterprise Operations

- Workflow automation using Large Language Models
- Decision support and business intelligence
- Productivity optimization through AI-powered language technologies
- Measuring performance and business value

**PRACTICAL WORKSHOP ON DESIGNING ENTERPRISE LLM SOLUTIONS**

**DAY 05**

## Building an Enterprise LLM Strategy

- Future trends in Large Language Models
- Scaling enterprise AI adoption
- International best practices for implementing LLM solutions
- Organizational change management and continuous innovation

**FINAL WORKSHOP**

Final workshop involving the development of a comprehensive enterprise Large Language Model strategy integrating prompt engineering, knowledge management, retrieval-augmented generation, intelligent assistants, workflow automation, governance, cybersecurity, privacy, regulatory compliance, risk management, performance measurement, organizational readiness, and continuous improvement to maximize productivity, operational excellence, innovation, digital transformation, and long-term organizational success.

## Register or Request More Information

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Course page: <https://quest-training.com/courses/large-language-models-llms-training-course>

Website: <https://quest-training.com>

Email: [info@quest-training.com](mailto:info@quest-training.com)

Phone: +905016771440