

Course No. 1188

Multimodal AI Applications Training Course

**GENERATIVE AI
ARTIFICIAL INTELLIGENCE & APPLICATIONS**

DURATION

5 Days

DELIVERY

Classroom



Course Overview

The Multimodal AI Applications 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 leverage multimodal Artificial Intelligence technologies that integrate text, images, audio, video, documents, and structured data into intelligent business solutions. As organizations accelerate digital transformation and enterprise AI adoption, multimodal AI has emerged as a powerful capability that enables more natural human-computer interaction, improved decision-making, enhanced automation, and greater operational efficiency across diverse industries.

Government entities, ministries, public sector organizations, banks and financial institutions, oil and gas companies, healthcare providers, manufacturing organizations, educational institutions, telecommunications companies, and multinational corporations increasingly rely on multimodal AI to improve customer experiences, automate document processing, analyze visual information, enhance knowledge management, strengthen operational intelligence, and support business innovation. By combining multiple forms of data, multimodal AI delivers richer insights, more accurate analysis, and highly intelligent automation that extends beyond traditional AI applications.

This course focuses on the practical implementation of multimodal AI in enterprise environments. Participants will learn how to work with AI systems capable of understanding and generating text, images, audio, video, and documents while integrating these capabilities into business workflows. The program covers prompt engineering for multimodal models, AI-powered document analysis, image understanding, speech recognition, video interpretation, enterprise knowledge management, workflow automation, decision support, customer engagement, responsible AI, governance, cybersecurity, privacy, regulatory compliance, and organizational implementation strategies.

The Multimodal AI Applications Training Course combines interactive workshops, practical exercises, real-world business case studies, and internationally recognized best practices to help participants confidently implement multimodal AI solutions within their organizations. By the end of the course, participants will be able to identify high-value business opportunities, automate complex information workflows, improve organizational productivity, strengthen enterprise decision-making, accelerate innovation, and support sustainable digital transformation through advanced multimodal AI technologies.

Objectives

- Analyze the principles and business value of multimodal Artificial Intelligence.
- Develop practical skills for using multimodal AI across enterprise functions.
- Evaluate organizational opportunities for multimodal AI implementation.
- Apply prompt engineering techniques for text, image, audio, video, and document AI models.
- Design AI-enabled workflows that integrate multiple data modalities.
- Improve business productivity through intelligent multimodal automation.
- Strengthen understanding of responsible AI, governance, cybersecurity, privacy, and regulatory compliance.
- Implement enterprise best practices for multimodal AI deployment and quality assurance.
- Assess risks, limitations, and ethical considerations associated with multimodal AI.
- Align multimodal AI initiatives with organizational strategy, innovation, and digital transformation objectives.

Who Should Attend

This course is designed for executives, senior managers, digital transformation leaders, AI strategy professionals, innovation managers, IT managers, business analysts, data professionals, project managers, operations managers, communication specialists, marketing professionals, customer experience leaders, learning and development specialists, consultants, and decision-makers responsible for adopting Artificial Intelligence technologies within their organizations.

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 organizations, consulting firms, and multinational corporations seeking to integrate multimodal AI into enterprise operations and strategic initiatives.

Professionals involved in enterprise architecture, knowledge management, customer service, intelligent automation, document management, digital services, business process improvement, innovation, compliance, governance, and technology leadership will benefit from the practical implementation frameworks and business methodologies presented throughout the course.

Learning Outcomes

- By the end of this course, participants will be able to:
- Explain the concepts, capabilities, and business applications of multimodal AI.
- Utilize multimodal AI systems to process text, images, audio, video, and documents.
- Apply prompt engineering techniques for multimodal AI models.
- Develop AI-powered workflows that combine multiple information sources.
- Analyze visual, textual, and audio information using enterprise AI platforms.
- Evaluate AI-generated outputs for quality, accuracy, and business relevance.
- Apply responsible AI principles while protecting confidential organizational information.
- Integrate multimodal AI into enterprise processes and digital transformation initiatives.
- Identify opportunities to improve decision-making through multimodal AI solutions.
- Develop implementation strategies for enterprise-wide multimodal AI adoption.

Course Outline

DAY 01

Foundations of Multimodal Artificial Intelligence

- Introduction to multimodal AI concepts and technologies
- Evolution of enterprise Artificial Intelligence
- Understanding text, image, audio, video, and document AI models
- Business opportunities across industries

PRACTICAL WORKSHOP ON IDENTIFYING MULTIMODAL AI USE CASES

DAY 02

Multimodal AI Tools and Prompt Engineering

- Prompt engineering for multimodal AI applications
- Processing text and document-based information
- AI-powered image understanding and generation

DAY 02 — CONTINUED

- Audio processing and speech recognition technologies

PRACTICAL EXERCISE USING MULTIMODAL AI PLATFORMS

DAY 03

Enterprise Applications of Multimodal AI

- Video analysis and intelligent content interpretation
- AI-powered document automation and knowledge management
- Customer engagement and intelligent communication
- Responsible AI, governance, cybersecurity, privacy, and compliance

WORKSHOP ON EVALUATING ENTERPRISE MULTIMODAL AI SOLUTIONS

DAY 04

Intelligent Workflow Integration

- Designing multimodal AI business workflows
- Process automation across enterprise functions
- Decision support and operational intelligence
- Performance measurement and business value assessment

PRACTICAL

Practical workshop on developing multimodal AI implementation frameworks

DAY 05

Building an Enterprise Multimodal AI Strategy

- Future trends in multimodal Artificial Intelligence
- Scaling multimodal AI across the organization
- International best practices for enterprise AI implementation

DAY 05 — CONTINUED

- Change management and continuous innovation

FINAL WORKSHOP

Final workshop involving the development of a comprehensive enterprise multimodal AI strategy integrating prompt engineering, intelligent workflow automation, document processing, image analysis, audio and video applications, governance, cybersecurity, privacy, regulatory compliance, performance measurement, organizational readiness, risk management, and continuous improvement to maximize productivity, operational excellence, innovation, digital transformation, and long-term organizational success.

Register or Request More Information

Course page: <https://quest-training.com/courses/multimodal-ai-applications-training-course>

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