AI & Machine Learning SkillJourney

Implementing AI in Business: Stakeholder Strategies for the Modern Data Driven, Automated Enterprise (TTAI2101)

Gain actionable insights and practical skills to implement AI initiatives that drive meaningful improvements across various organizational functions.

Course Snapshot

- **Course**: Implementing AI in Business: Stakeholder Strategies for the Modern Data Driven, Automated Enterprise (TTAI2101)
- **Duration**: 1 day
- **Audience & Skill Level:** This introductory-level course is geared for a mix of business stakeholders who are either directly involved in or impacted by AI-driven initiatives within their organization. This includes C-suite executives, business unit leaders, product managers, and innovation strategists eager to gain a working knowledge of AI's capabilities and applications in a business context. Professionals in roles such as data analysts, IT managers, and project managers who collaborate with data science teams will find this course instrumental in bridging gaps and facilitating effective communication across departments.
- **Format / Engaging Seminar:** This course is a seminar / workshop style event that combines engaging instructor-led presentations with use case exploration and engaging group activities. Labs are not machine based.
- **Flexible Delivery Options**: This course can be delivered for your team or organization **online-live (virtual)**, **onsite in-person, self-paced** or across our immersive **blended learning experience platform (LXP).**
- **Public Schedule**: This course is currently available on our Public Open Enrollment Schedule.
- **Customizable**: We're flexible! This course agenda, topics, labs, hours and delivery modalities can be adjusted to target your specific training skills objectives, tools and learning goals. Please ask for details.

Overview

Dive into the dynamic world of Artificial Intelligence (AI) with our one-day course, "**Implementing AI in Business: Stakeholder Strategies for the Modern Data Driven, Automated Enterprise**." Designed to provide stakeholders with a panoramic yet nuanced view of AI's transformative capabilities, this course serves as both a primer and a catalyst for action. From understanding the pivotal role of data collection and storage, to deciphering the symbiosis between Big Data, Data Science, and AI, we've curated the course to offer you a blend of strategic knowledge and practical skills.

We're not just covering the essentials; this course also empowers you with the capability to make informed decisions on various AI applications. Learn to evaluate cloud-based versus on-premise solutions, understand the key factors in building effective data science and AI teams, and get familiar with essential AI frameworks and tools. Our expert facilitators will also give you an exclusive look into the future of business AI through bonus chapters on Generative AI and emerging trends in data analytics and machine learning. These forward-looking topics will equip you to anticipate and adapt to rapidly changing technologies.

Through engaging lectures, timely demonstrations, and interactive discussions, you'll walk away with a balanced understanding of AI's real-world applications and future potential. Whether you're aiming to enhance existing systems or pioneering new AI initiatives, this comprehensive course ensures that you leave with actionable insights and a roadmap for meaningful change.

Learning Objectives

Working in an interactive learning environment, led by our engaging AI expert, you will:
- Learn which data is most useful to collect now and why it's important to start collecting that data as soon as possible
- Understand the intersection between big data, data science and AI (Machine Learning / Deep Learning) and how they can help you reach your business goals and gain a competitive advantage.

- Understand the factors that go into choosing a data science and AI driven systems including whether to go with a cloud-based solution
- Explore common tools and technologies to aid in making informed decisions
- Gain the skills required to build your data science, AI and machine learning teams

Audience

This introductory-level course is geared for a mix of business stakeholders who are either directly involved in or impacted by AI-driven initiatives within their organization. This includes C-suite executives, business unit leaders, product managers, and innovation strategists eager to gain a working knowledge of AI's capabilities and applications in a business context. Professionals in roles such as data analysts, IT managers, and project managers who collaborate with data science teams will find this course instrumental in bridging gaps and facilitating effective communication across departments.

Pre-Requisites

Although there are no specific pre-requisites to attend this course, it would be helpful to have a basic understanding of business metrics and key performance indicators, elementary data literacy, basic understanding of project management, and general tech savviness.

Next Steps / Follow-on Courses: We offer a wide variety of follow-on courses and learning paths for Generative AI, AI for Business, GPT, Applied AI, Azure OpenAI, Google BARD, AI for developers, testers, data analytics, machine learning, deep learning, programming, intelligent automation and many other related topics. Please see our catalog for the current **AI & Machine Learning Courses, Learning Journeys & Skills Roadmaps**, list courses and programs.

Setup Made Simple with our Robust Learning Experience Platform (LXP)

All applicable course software, digital courseware files or course notes, labs, data sets and solutions, live coaching support channels and rich extended learning and post training resources are provided for you in our "easy access, no install required" high-speed **Learning Experience Platform (LXP)** remote lab and content environment. Course materials, software, resources and post-training platform access periods vary by course. Please inquire about details for this specific course.

Course Topics / Agenda

Please note that this list of topics is based on our standard course offering, evolved from typical industry uses and trends. We'll work with you to tune this course and level of coverage to target the skills you need most. Topics, agenda and labs are subject to change, and may adjust during live delivery based on audience skill level, interests and participation.

1. **Introduction to AI in Business**
- Explore the relevance and potential impact of AI technologies in modern businesses.
- What is AI and Why Does It Matter
- The ROI of AI Adoption
- Case Studies: AI Transformations
- AI Ethics and Regulation
- AI's Role in Different Business Units
- **Real-World AI Transformations**: A quick overview of businesses successfully adopting AI

2. **Data: The Bedrock of AI**
- Identify the types of data most pertinent to AI applications in business.
- Types of Data: Structured vs Unstructured
- Importance of Data Collection
- Data Storage Solutions

- Data Security and Compliance
- Data Integration Strategies
- **Database Choices**: Evaluating databases suited for AI applications

3. **Big Data, Data Science, and AI – The Power Trio**
- Explore how Big Data, Data Science, and AI synergize for business advantage.
- The Big Data Ecosystem
- Data Science Methodologies
- Machine Learning vs Deep Learning
- Business Cases for Data Science and AI
- Tools for Analytics and Data Processing

4. **Cloud-Based vs On-Premise Solutions**
- Make informed decisions on cloud-based vs. on-premise AI solutions.
- Factors for Choosing a Platform

- Cloud-Based Pros and Cons
- On-Premise Pros and Cons
- Cost Implications
- Security Considerations
- **Cloud and On-Premise Comparison**: Brief on performance, costs, and scalability

5. **Selecting Tools and Technologies**
- Explore various tools and technologies to facilitate AI adoption.
- Popular AI Frameworks
- Visualization Tools
- Data Cleaning and Preprocessing Tools
- Analytical Platforms
- APIs and Libraries
- **Tool Showcase**: Quick tour through a suite of cutting-edge AI tools

6. **Building Your Data Science and AI Teams**
- Explore the key skills and roles to consider when forming a data science/AI team.
- Core Team Roles
- Required Skill Sets
- Training vs Hiring
- Collaboration Tools
- Team KPIs and Performance Metrics
- **Virtual Team Management**: Leveraging tech for remote collaboration

7. **Generative AI: A New Paradigm for Business**
- Understand how Generative AI can redefine content creation, design, and decision-making in business.
- What is Generative AI?
- Applications in Marketing and Design
- Generative AI in Product Development
- Ethical and Legal Concerns
- Generative AI in Business Strategy
- **Auto-Generated Content**: See how Generative AI can automatically produce marketing copy and design elements

8. **Emerging Trends in Data & AI for Business**
- Stay ahead of the curve by understanding upcoming trends that will shape the future of AI in business.
- Federated Learning and Edge AI
- AI for Sustainability and Social Good
- AI in Cybersecurity
- Reinforcement Learning in Business
- Explainable AI (XAI)
- Explore the impact of new trends on different business sectors

9. **Next Steps and Action Plan**
- Develop a roadmap to start or advance AI implementation in your organization.
- Setting Short-term and Long-term Goals
- Budget and Resource Allocation
- Scaling AI Projects
- Ongoing Training and Skills Update

For More Information

For more information about our training services (instructor-led, self-paced or blended), collaborative coaching services, robust Learning Experience Platform (LXP), Career Experiences, public course schedule, partner programs, courseware licensing options or to see our complete list of course offerings, solutions and special offers, please visit us at **www.triveratech.com**, email **Info@triveratech.com** or call us toll free at **844-475-4559.** Our pricing and services are always satisfaction guaranteed.

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www.triveratech.com ● **toll free +1-844-475-4559** ● **Info@triveratech.com** ● **Twitter TriveraTech**

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