Exploring AI Operations: Strategies for Testing and Deploying Intelligent Systems for Success (TTAI2130)

Category: AI, Data & Analytics | **Vendor:** Trivera Tech

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Exploring AI Operations: Strategies for Testing and Deploying Intelligent Systems for Success®is a two day hands-on course that ®offers insights into real-world implementation and testing scenarios, equipping you with the tools and strategies necessary to ensure successful AI integration and deployment. This course focuses on the practical application of AI rather than the programming or math that underpin the algorithms and functionality.

About This Course

Unlock the full potential of AI for your organization with this comprehensive two-day course, designed to emphasize the value of AI in operations and provide practical guidance on testing against AI systems. You'll gain a solid understanding of AI and its applications, focusing on how AI can be used to streamline operations, improve decision-making, and optimize workflows.

Exploring AI Operations: Strategies for Testing and Deploying Intelligent Systems for Success is a two day hands-on course that offers insights into real-world implementation and testing scenarios, equipping you with the tools and strategies necessary to ensure successful AI integration and deployment. This course focuses on the practical application of AI rather than the programming or math that underpin the algorithms and functionality.

Throughout the event you'll explore the AI testing lifecycle, how to evaluate AI model performance, and maintain security and ethical considerations. By the end of the training, you'll have the knowledge and skills needed to harness the power of AI to drive operational excellence and effectively test AI systems.

Who Should Attend

The ideal audience for this course includes professionals involved in the development, testing, deployment, or management of technology solutions and are seeking to leverage AI and machine learning to optimize their organization's operations. Key roles that would benefit from this course include:

-Test Engineers and Quality Assurance Analysts - Individuals responsible for ensuring the quality and reliability of software and systems, who need to develop robust testing strategies for AI-driven applications.

-IT Managers and Project Managers - Professionals overseeing technology projects and teams, who want to ensure the successful integration and deployment of AI and ML in their organizations.

-Business Analysts and Operations Managers - Professionals responsible for optimizing business processes and operations, who are interested in leveraging AI and ML to enhance efficiency and productivity.

-Software Developers and Engineers - Professionals responsible for building and maintaining software solutions, who seek to incorporate AI and ML technologies into their products or services.

-Data Scientists and Analysts - Individuals working with data to generate insights and make data-driven decisions, who seek to utilize AI and ML techniques for data analysis and prediction.

Prerequisites & Entry Requirements

General Prerequisites:

In order to be successful in the course you should possess:

-Basic understanding of technology systems in business operations: Attendees should have a foundational knowledge of technology systems, such as software applications, databases, and networks, to better comprehend AI integration and its implications in operational environments.

-Familiarity with data analysis and interpretation: Participants should have experience in working with data, including basic data analysis and interpretation skills, as AI and machine learning often involve utilizing data for decision-making and predictions.

-Problem-solving and critical thinking skills: Attendees should possess strong problem-solving and critical thinking abilities, as these skills are essential when identifying potential AI applications, designing testing strategies, and evaluating AI model performance in operational contexts.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

This course combines engaging instructor-led presentations and useful demonstrations with valuable hands-on exercises and engaging group activities. Throughout the course you'll learn how to:
-Develop the ability to identify and evaluate potential AI applications for enhancing operations within your organization, leading to improved decision-making and optimized workflows.
-Gain proficiency in designing and executing effective test plans for AI systems, ensuring the successful integration and deployment of AI models in real-world operational environments.
-Acquire the skills needed to navigate the AI testing lifecycle, from the development and validation stages to the deployment and monitoring of AI models, ensuring the reliability and quality of AI systems.
-Master the process of evaluating AI model performance using key metrics, allowing participants to assess the operational fit of AI models and strike a balance between performance, complexity, and cost.
-Develop a high-level understanding of security and ethical considerations in AI, equipping participants with the knowledge to implement AI systems responsibly and securely, mitigating potential risks and challenges.

Detailed Course Outline

Day 1

Introduction to AI

What is AI

AI vs Machine Le

Types of AI: Narrow AI vs. General AI

Popular AI and ML algorithms

AI applications in various industries

AI and ML in the current lifecycle

State of AI and ML today

Recent advancements and limitations

Future potential

AI in Operations

Operational use cases for AI

Integrating AI into existing workflows

AI-driven decision making

Identifying potential AI applications in your organization

Implementing and testing AI in companies

Case studies of successful AI implementations

Test cases from real-world AI rollouts

Overcoming common challenges during AI implementation and testing

Activity: Designing a test plan for a hypothetical AI application

Day 2

AI testing lifecycle

Overview of the AI testing lifecycle

Development, validation, and deployment phases

Ensuring AI model quality and reliability

Activity: Identifying key testing milestones in an AI project

Testing AI in an operational environment

Preparing the test environment

Types of tests for AI systems

Monitoring AI system performance

Handling AI system failures and updates

Activity: Creating a test environment for a hypothetical AI application

Evaluating AI model goodness and performance metrics

Key performance metrics for AI models

Determining the operational fit of AI models

Balancing performance, complexity, and cost

Activity: Evaluating a sample AI model using performance metrics

Security and ethical considerations

Security concerns in AI implementations

Ethical considerations in AI and ML

Strategies for ensuring AI security and ethics

Resources and next steps

Continued learning resources

Online courses, books, and communities

How to stay updated on AI developments

Closing discussion and feedback

Additional Course Details

Nexus Humans Exploring AI Operations: Strategies for Testing and Deploying Intelligent Systems for Success (TTAI2130) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Exploring AI Operations: Strategies for Testing and Deploying Intelligent Systems for Success (TTAI2130) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Exploring AI Operations: Strategies for Testing and Deploying Intelligent Systems for Success (TTAI2130)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 2-day Exploring AI Operations: Strategies for Testing and Deploying Intelligent Systems for Success (TTAI2130) course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Exploring AI Operations: Strategies for Testing and Deploying Intelligent Systems for Success (TTAI2130) training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Exploring AI Operations: Strategies for Testing and Deploying Intelligent Systems for Success (TTAI2130)?

Yes, we provide corporate training, dedicated training, and closed classes for Exploring AI Operations: Strategies for Testing and Deploying Intelligent Systems for Success (TTAI2130). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: AI Ops, AI Testing

Q: Why choose Nexus Human for Exploring AI Operations: Strategies for Testing and Deploying Intelligent Systems for Success (TTAI2130)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Exploring AI Operations: Strategies for Testing and Deploying Intelligent Systems for Success (TTAI2130) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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