Artificial Intelligence for Finance

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HRD CORP
TRAINING PROVIDER

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Overview

Artificial Intelligence for Finance is a comprehensive program that will teach you the skills you need to use artificial intelligence (AI) to transform your business or department. The program covers the latest AI technologies, such as machine learning, deep learning, and natural language processing. You will also learn how to apply AI to real-world financial problems, such as risk assessment, fraud detection, customer segmentation, and demand forecasting.

This training program is perfect for businesses of all sizes that want to stay ahead of the competition. With AI, you can automate tasks, make better decisions, and improve your bottom line. This is an opportunity to learn the skills you need to succeed in finance.

Learning Objectives

By the end of the course, participants will be able to:

- Build a solid understanding on what AI is
- Appreciate the data science & AI ecosystem and how they apply to financial business cases
- Experience hands-on end-to-end financial AI system development and deployment
- Walk away with a list of AI 'quick wins' – finance-driven business cases they can start right away in their organization

Methodology

Interactive group discussions, lectures, exercises, case studies and sharing of real-world experiences.

Number of Participants   : Max 20 per workshop
Medium of Instruction   : English and Bahasa Malaysia(where applicable)
Facility   : Each participant to bring a laptop

A key takeaway from this module is the brainstorming and prioritization of financial business cases by participants. These "quick wins" business cases can be implemented immediately by the organization to obtain the required benefits.

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Course Schedule

Day 1

Time	Details	Activity
8.30am-9.00am	Introduction	A short Introduction by Trainer
9.00am-10.30am	**Module 1: Big data analytics (BDA) and AI overview**	Learning + Debrief: This module provides an overview of big data analytics (BDA) and artificial intelligence (AI), including their definitions, history, and applications in finance. It also discusses the benefits and challenges of using BDA and AI in finance, and the ethical considerations involved.
10.30am-12.00pm	**Module 2: BDA and AI success stories (Malaysia and Regional)**	Learning + Debrief: This module looks at some of the success stories of BDA and AI in Malaysia and the region. It covers how BDA and AI have been used to improve business performance in a variety of industries, such as manufacturing, healthcare, and retail. This module provides examples of how BDA and AI can be used to achieve real-world results.
12.00pm-1.00pm	Lunch	Lunch is Served
1.00pm-2.30pm	**Module 3: The Data Science Process**	Learning + Debrief: This module describes the data science process, which is a systematic approach to analyzing, visualizing, and modeling big data. It covers the different steps in the data science process, such as data collection, data cleaning, data analysis, and AI model building. This module is important for understanding how to use data science to solve business problems, especially in finance.
2.30pm-4.30pm	**[Module 4: Data Cleansing**	Learning + Debrief: This module covers the process of cleaning and preparing data for analysis. It discusses the different types of data errors that can occur, as well as the techniques that can be used to correct them.

Day 2

Time	Details	Activity
8.30am-9.00am	Introduction	A short Introduction by Trainer
9.00am-10.30am	**Module 5: Exploratory Data Analysis (EDA)**	Learning + Debrief: This module describes exploratory data analysis (EDA), which is a technique for exploring data to gain insights and identify patterns. It covers the different methods that can be used for EDA, such as data visualization, statistical analysis, and hypothesis testing. This module is important for understanding how to explore data and identify potential problems or opportunities.
10.30am-12.00pm	**Module 6: Models and Algorithms**	Learning + Debrief: This module covers the different models and algorithms that can be used for machine learning and artificial intelligence. It covers the different types of models, such as supervised learning, unsupervised learning, and reinforcement learning. It also covers the different types of algorithms, such as decision trees, neural networks, and support vector machines. This module is important for understanding the different ways that data can be used to build financial models and algorithms that can make predictions and decisions.
12.00pm-1.00pm	Lunch	Lunch is Served
1.00pm-2.00pm	**Module 7: Key Competencies**	Learning + Debrief: This module identifies the key competencies that are needed for developing and deploying AI systems. It covers skills such as data science, programming, and machine learning. This module is important for understanding the skills that are needed for working in the field of AI and finance.
2.00pm-3.0pm	**Module 8: Industry-Specific(Financial) Business Cases**	Learning + Debrief: This module looks at some of the ways that AI can be used to solve business problems in finance. It covers the different ways that AI can be used such as production process optimization, fraud detection, risk management, sales/ demand forecasting, and customer segmentation to improve efficiency, productivity, and customer service. This module provides examples of how AI can be used to achieve real-world results.
3.00pm-4.30pm	**Module 9: Demos, Mini Projects, and AI-Driven Business Case Brainstorming**	Learning + Debrief: This module provides participants with the opportunity to apply the skills they have learned in the previous modules. They will be able to participate in demos of BDA and AI tools, work on financial mini projects, and brainstorm AI-driven business cases for the finance department.

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About Elite Indigo

Elite Indigo Consulting provides corporate training to the semiconductor and manufacturing industries. With a humble beginning of one founding member with passion and desire to share his 20 years of experiences in Smart Manufacturing for global manufacturing facilities, now, we have a strong and competent team of 20 members, all aligned with company mission, vision and core values.

Our Mission

"Transform Data into Insights - Leap Forward"

Our Vision

Be a Global Trusted Advisor in the Areas of Skills Development, Consultancy & Software Solutions specialising in Semiconductor & Manufacturing industries.

Our Core Values

TRUST
"A culture of self, team and clients trust"

PASSION
"Do what we love and love what we do"

EXCELLENCE
"If it's worth doing, it's worth doing it well"