Course Outline

An Introduction to AI (Artificial Intelligence) and its Applications

Course Summary

Description

This course introduces Artificial Intelligence and its applications in the industry.

Objective

At the conclusion of this course, students will know:

- The evolution of AI
- AI vocabulary and terminology
- Where is the cutting edge research in AI is
- What kind of applications enterprises are building leveraging AI
- Machine Learning and Deep Learning
- How to adopt Ai in an enterprise

Topics

- AI evolution
- AI use cases
- AI terminology
- Machine Learning
- Deep Learning
- AI Software ecosystem
- How to adopt AI in enterprises
- Wrap up and next steps

Audience

This high level course is intended for managers and execs

Duration

One Days

An Introduction to AI (Artificial Intelligence) and its Applications

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I. *AI evolution*
   A. Little history
   B. Recent advances in data, hardware
   C. PU vs CPU
   D. Cutting edge research and applications

II. *AI use cases*
   A. Example use cases across various industries

III. *AI terminology*
   A. Understanding basic vocabulary in AI

IV. *Machine Learning*
   A. Overview of ML
   B. ML algorithms and applications

V. *Deep Learning*
   A. Overview of Deep Learning
   B. Deep learning algorithms and applications

VI. *AI Software ecosystem*
   A. Languages
   B. Libraries
   C. Cloud offerings

VII. *How to adopt AI in enterprises*
   A. Technology stack
   B. Assembling an effective team
   C. Process
   D. Best Practices

VIII. *Wrap up and next steps*