

Caltech

Center for Technology & Management Education

Introduction to Artificial Intelligence



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**Course Introduction** 

# **Learning Objectives**

By the end of this lesson, you will be able to:

- Describe the meaning, scope, and stages of artificial intelligence
- Define supervised and unsupervised learning
- Apply machine learning workflow to solve business problems
- Measure ROI based on performance metrics

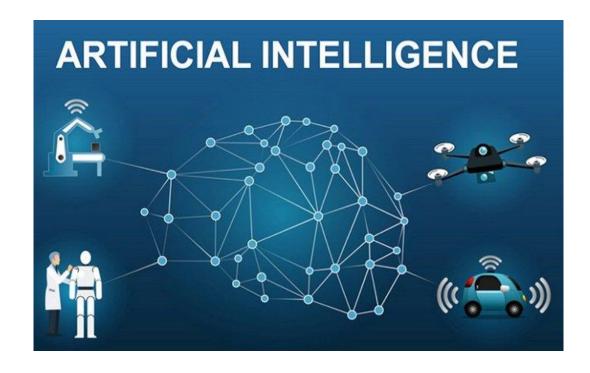




### **Course Introduction**

This course is designed to help you understand important concepts such as:

Machine Learning Algorithm Types



Machine Learning
Performance Metrics

Machine Learning Workflow





## **Course Outline**

Decoding Artificial Intelligence



Fundamentals of Machine Learning and Deep Learning

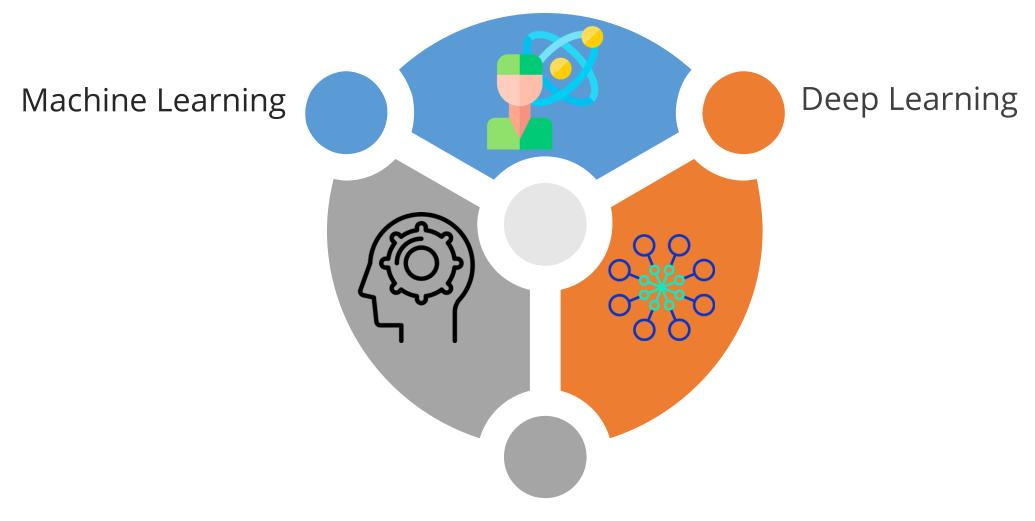
Machine Learning Workflow

Performance Metrics



## **Course Highlights**

The course covers basic concepts, terminologies, scope, and stages of artificial intelligence and their effect on real-world business processes.



Artificial Intelligence



### The Future Is Here



**Virtual Assistants** 

- Siri, Google Assistant
- Microsoft Cortona
- Amazon Echo



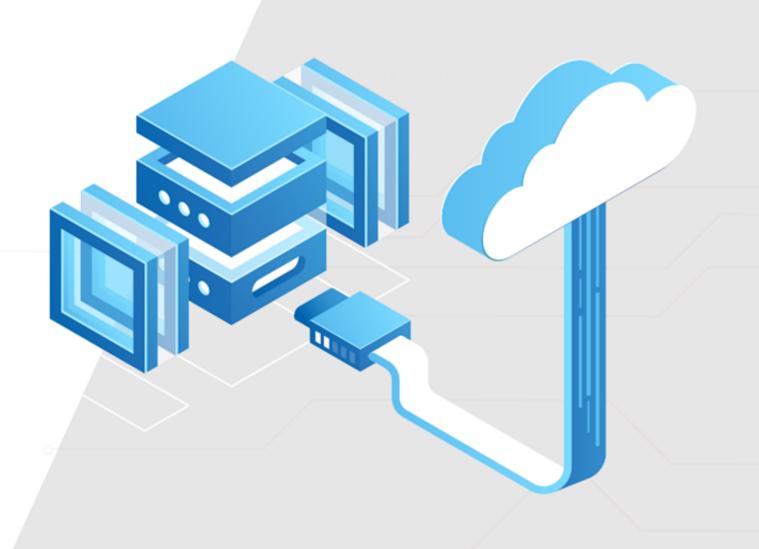
**Intelligent Cars** 

- Tesla Autopilot
- Google Waymo
- Ford's Argo Al



Al in Gaming

- Google DeepMind
- AlphaGo, Al in Chess



Thank you