

uCertify

Course Outline

Artificial Intelligence for All



24 Apr 2025

1. Pre-Assessment
2. Exercises, Quizzes, Flashcards & Glossary
Number of Questions
3. Expert Instructor-Led Training
4. ADA Compliant & JAWS Compatible Platform
5. State of the Art Educator Tools
6. Award Winning Learning Platform (LMS)
7. Chapter & Lessons
Syllabus
Chapter 1: Preface
Chapter 2: Super Powers of AI - The Leaders and the Contenders
Chapter 3: AI - The Core Fabric for NextGen Banking
Chapter 4: How an AI Framework can be a Game-Changer in Your AI Journey
Chapter 5: Artificial Neural Networks
Chapter 6: The Next Wave of Automation Will Transform Our Living Experience
Chapter 7: Self-Driving Cars - Socio Economic Impact of Autonomous Vehicles
Chapter 8: How Artificial Intelligence Is Transforming the BFSI Sector
Chapter 9: AI Now Is a Race Among Startups and Tech Giants
Chapter 10: AI in the Top of Priorities for CIOs and CTOs
Chapter 11: AI in Sports
Chapter 12: How a Country Can Be Transformed Using Artificial Intelligence
Chapter 13: Don't Underestimate the Power of an AI Chatbot
Chapter 14: Industry Adoption of Cognitive and Artificial Intelligence
Chapter 15: Artificial Intelligence - The Biggest Disruptor in the BFSI Industry
Chapter 16: AI in Healthcare
Chapter 17: AI in Cyber Security - Cognitive Cyber Defense
Chapter 18: Be Aware of Cyber Threat
Chapter 19: AI Revolution in India - National Strategy for AI

Chapter 20: AI in Tour and Travels - Journey of a Digital Traveler

Chapter 21: Top 100 Business Use Cases of Artificial Intelligence

Chapter 22: Impact of Modern Automation on Employment

Videos and How To

8. Practice Test

Here's what you get

Features

9. Performance Based labs

Lab Tasks

Here's what you get

1. Pre-Assessment

Pre-Assessment lets you identify the areas for improvement before you start your prep. It determines what students know about a topic before it is taught and identifies areas for improvement with question assessment before beginning the course.

2. Expert Instructor-Led Training

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

3. ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more accessible to students with features such as:

- Change the font, size, and color of the content of the course

- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can easily navigate uCertify course using JAWS shortcut keys.

4. State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assessments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

5. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's finest products and services. Since 1986, thousands of products, services and solutions have been recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 7 years:

- **2014**
 1. Best Postsecondary Learning Solution
- **2015**
 1. Best Education Solution
 2. Best Virtual Learning Solution
 3. Best Student Assessment Solution
 4. Best Postsecondary Learning Solution
 5. Best Career and Workforce Readiness Solution

6. Best Instructional Solution in Other Curriculum Areas
7. Best Corporate Learning/Workforce Development Solution

- **2016**

1. Best Virtual Learning Solution
2. Best Education Cloud-based Solution
3. Best College and Career Readiness Solution
4. Best Corporate / Workforce Learning Solution
5. Best Postsecondary Learning Content Solution
6. Best Postsecondary LMS or Learning Platform
7. Best Learning Relationship Management Solution

- **2017**

1. Best Overall Education Solution
2. Best Student Assessment Solution
3. Best Corporate/Workforce Learning Solution
4. Best Higher Education LMS or Learning Platform

- **2018**

1. Best Higher Education LMS or Learning Platform
2. Best Instructional Solution in Other Curriculum Areas
3. Best Learning Relationship Management Solution

- **2019**

1. Best Virtual Learning Solution
2. Best Content Authoring Development or Curation Solution
3. Best Higher Education Learning Management Solution (LMS)

- **2020**

1. Best College and Career Readiness Solution
2. Best Cross-Curricular Solution
3. Best Virtual Learning Solution

6. Chapter & Lessons

uCertify brings these textbooks to life. It is full of interactive activities that keeps the learner engaged. uCertify brings all available learning resources for a topic in one place so that the learner can efficiently learn without going to multiple places. Challenge questions are also embedded in the chapters so learners can attempt those while they are learning about that particular topic. This helps them grasp the concepts better because they can go over it again right away which improves learning.

Learners can do Flashcards, Exercises, Quizzes and Labs related to each chapter. At the end of every lesson, uCertify courses guide the learners on the path they should follow.

Syllabus

Chapter 1: Preface

Chapter 2: Super Powers of AI - The Leaders and the Contenders

- AI Research
- Usable Data
- Wealth of AI Engineers and Data Scientists
- Support from Government and Awareness Among Citizens
- Funding and VC Ecosystem
- USA
- Canada
- China
- UK and Europe, Japan, Russia

- India

Chapter 3: AI - The Core Fabric for NextGen Banking

Chapter 4: How an AI Framework can be a Game-Changer in Your AI Journey

- Why is an AI framework worthwhile?

Chapter 5: Artificial Neural Networks

Chapter 6: The Next Wave of Automation Will Transform Our Living Experience

- Break Free from the Sickening Monotony of the Daily Chores and Let Your Autonomous Home Take Charge
- Autonomous Homes Keeping a Close Vigil for Infallible Security
- Efficient Care Systems for Senior Citizens
- Automated Child Care Facilities
- High Grade Energy Optimization
- Autonomous Homes Transforming Your Living Experience
- Opportunities, Business Prospects

Chapter 7: Self-Driving Cars - Socio Economic Impact of Autonomous Vehicles

- Positively Reshaping People's Lives

- Transforming the Economy Worldwide
- Feasible Infrastructure for Autonomous Vehicles
- Autonomous Vehicles - A Threat to Human Employment?
- Pitfalls of Large-Scale Production and Usage of Autonomous Cars

Chapter 8: How Artificial Intelligence Is Transforming the BFSI Sector

Chapter 9: AI Now Is a Race Among Startups and Tech Giants

- Darktrace
- Benevolent AI
- Diffblue

Chapter 10: AI in the Top of Priorities for CIOs and CTOs

Chapter 11: AI in Sports

- Technologies used in different sports:

Chapter 12: How a Country Can Be Transformed Using Artificial Intelligence

- How Can AI Be Deployed to Improve the Quality of Life of the Citizens?
- How Much Do the Rural Areas Need AI?

- Why Do We Need to Empower Our Farmers with AI?
- How Is AI Transforming Healthcare?
- Artificial Intelligence and Urban Traffic Control
- Is Artificial Intelligence Shaping the Future of Energy?
- The Rise of Artificial Intelligence in the Legal Industry
- Where Is Artificial Intelligence Headed in Education?
- The Role Artificial Intelligence Can Play in Women Empowerment and Safety
- Wildlife and Robotics
- Artificial Intelligence in Discovering New Life

Chapter 13: Don't Underestimate the Power of an AI Chatbot

- Conversational maturity
- Handling contact center functions

Chapter 14: Industry Adoption of Cognitive and Artificial Intelligence

- What is Artificial Intelligence and cognitive?
- How deeply is Artificial Intelligence and cognitive embedded into the industry?
- What is weak Artificial Intelligence?
- Exploring strong Artificial Intelligence

- The best of artificial intelligence today
- Current data on investment in cognitive intelligence
- Which industry benefits most from using Artificial Intelligence and cognitive technologies?
- A geographical bird's-eye-view

Chapter 15: Artificial Intelligence - The Biggest Disruptor in the BFSI Industry

Chapter 16: AI in Healthcare

Chapter 17: AI in Cyber Security - Cognitive Cyber Defense

Chapter 18: Be Aware of Cyber Threat

Chapter 19: AI Revolution in India - National Strategy for AI

- Summary of the focus areas:
- Adaptive learning tools for customized learning

Chapter 20: AI in Tour and Travels - Journey of a Digital Traveler

Chapter 21: Top 100 Business Use Cases of Artificial Intelligence

- Artificial Intelligence in Healthcare
- Artificial Intelligence in Automobile

- Banking and Finance
- Manufacturing and Design
- Education
- Retail
- Personalized Use of AI
- Military
- News

Chapter 22: Impact of Modern Automation on Employment

7. Practice Test

Here's what you get

Features

Each question comes with detailed remediation explaining not only why an answer option is correct but also why it is incorrect.

Unlimited Practice

Each test can be taken unlimited number of times until the learner feels they are prepared. Learner can review the test and read detailed remediation. Detailed test history is also available.

Each test set comes with learn, test and review modes. In learn mode, learners will attempt a question and will get immediate feedback and complete remediation as they move on to the next question. In test mode, learners can take a timed test simulating the actual exam conditions. In review mode, learners can read through one item at a time without attempting it.

8. Performance Based Labs

uCertify's performance-based labs are simulators that provides virtual environment. Labs deliver hands on experience with minimal risk and thus replace expensive physical labs. uCertify Labs are cloud-based, device-enabled and can be easily integrated with an LMS. Features of uCertify labs:

- Provide hands-on experience in a safe, online environment
- Labs simulate real world, hardware, software & CLI environment
- Flexible and inexpensive alternative to physical Labs
- Comes with well-organized component library for every task
- Highly interactive - learn by doing
- Explanations and remediation available
- Videos on how to perform

Lab Tasks

Here's what you get

You can't stay away! Get

