AI AND ML WITH EXCEL CERTIFICATION

As per International Standards

UNICHRONE

Unichrone Training Advantages

- 1 Day Interactive Instructor –led Online/Classroom or Group Training

- Course study materials designed by subject matter experts

- Mock Tests to prepare in a best way

- Highly qualified, expert & accredited trainers with vast experience

- Enrich with Industry best practices and case studies and present trends

- AI and ML with Excel Training Course adhered with International Standards

- End-to-end support via phone, mail, and chat

- Convenient Weekday/weekend AI and ML with Excel Training Course schedule

About Unichrone

✔ We are a professional training institute with an extensive portfolio of professional certification courses. Our training programs are meant for those who want to expand their horizons by acquiring professional certifications across the spectrum. We train small- and medium-sized organizations all around the world, including in USA, Canada, Australia, UK, Ireland and Germany.
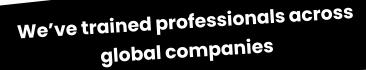
Guaranteed Quality

Handpicked Trainers

Global Presence

Online Training Option

We've trained professionals across global companies

PHILIPS

AXCESS
FINACIAL PRODUCT MANAGEMENT

CLARIANT

AkerSolutions

WÜRTH

baycoat

DU PONT

DASHTI

GlobalSign

TriskeleLabs

مصرف الراجحي
Al Rajhi Bank

DHL

ARASCO
أراسكو

EMERSON

accenture

VOLVO

AMA
AMERICAN MEDICAL ASSOCIATION

sitel
group

Signify

Atos

LEAR
CORPORATION

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Importance of AI and ML with Excel Training

✓ Microsoft Excel is a software application that incorporates Artificial Intelligence and Machine Learning, which can help people improve their data analysis skills. This enables professionals to perform repetitive tasks, analyze large data sets, and make decisions with more accuracy and efficiency. Being AI and ML certified with Excel will show that a professional has taken it upon themselves to get such necessary skills. Professionals who have learned to apply basic AI and ML in the familiar environment of Excel are well placed to seek career progression opportunities in basic data analysis tasks in numerous industry sectors.

✓ Learn how AI and ML can revolutionize data analysis process in AI and ML with Excel Certification Training offered by Unichrone. This training program provides participants with fundamental tools to analyze data in greater detail and perform repetitive tasks. With a combination of lectures, practical sessions, and real-world examples, candidates will become conversant with data preparation procedures and familiarize themselves with basic algorithms for forecasting and classification. They understand how to harness built-in AI applications of Excel such as Power BI and Excel Analysis Tools.

ELIGIBILITY CRITERIA

✓ Aspirants need not meet any requirements to pursue AI and ML with Excel Training Course. However, having prior knowledge is beneficial.

WHO SHOULD ATTEND

✓ Any individual who wants to gain skills to understand Excel using AI and ML can enroll in the AI and ML with Excel Training course.

Syllabus of AI and ML with Excel Training

Lesson 01 – Introducing AI in MS Excel
1. What is AI for Excel?
2. Intelligent Suggestions with Ideas
3. Making New Data Types
4. Availability
5. Preparing Data
6. Running Insights
7. Improving Machine Learning

Lesson 02 – Machine Learning with Excel
1. Training Set Vs Test Set
2. Classification Models
3. Preparing Data in Excel
4. Building the Model
5. Calculating Distance
6. Finding Nearest Neighbour
7. Set Up and Running Algorithm

Syllabus of AI and ML with Excel Training

Lesson 03 – Smart Spreadsheets
1. Artificial Intelligence Based Features in Excel
2. Benefits of Smart Sheets
3. Why Rollback?

Lesson 04 – Dynamic Arrays in Excel
1. Introduction to Dynamic Arrays
2. Dynamic Arrays Formula
3. UNIQUE
4. SORT
5. SORT BY
6. SEQUENCE
7. RANDARRAY
8. FILTER
9. LOOKUP

Syllabus of AI and ML with Excel Training

Lesson 05 – Automated Text Analysis Using AI in Excel

1.	What is Text Analysis?
2.	How Can Text Analysis Help?
3.	How to Use Text Analysis Tools in Excel?
4.	Create Text Analysis Model
5.	Text Analysis Use Cases and Applications

Lesson 06 – Linear Regression Analysis in Excel

1.	Introduction to Linear Regression
2.	How to Add Linear Regression Data Analysis Tool in Excel?
3.	Methods for Using Linear Regression in Excel
4.	Scatter Chart with a Trendline
5.	Analysis ToolPak Add-In Method
6.	How to Do Regression in Excel Using Formulas?

Syllabus of AI and ML with Excel Training

Lesson 07 – Cluster Analysis in Excel

1.	Steps to Run K-Means Cluster Analysis
2.	Start with Dataset
3.	Use Scatter Graph
4.	Calculate Distance from Each Data Point
5.	Calculate Mean (Average) of Each Cluster Set
6.	Distance from the Revised Mean
7.	Graph and Summarize the Clusters

Syllabus of AI and ML with Excel Training

Lesson 09 – Using Amazon EventBridge and Amazon SNS to Decouple Components

1.	Three Pillars of Observability
2.	Amazon CloudWatch Logs and Logs Insights
3.	Writing Effective Log Files
4.	Exercise: Interpreting Logs
5.	Using AWS X-Ray for Observability
6.	Exercise: Enable X-Ray and Interpret X-Ray Traces
7.	CloudWatch Metrics and Embedded Metrics Format
8.	Exercise: Metrics and Alarms
9.	Exercise: ServiceLens Hands-On Labs
10.	Lab: Workflow Orchestration Using AWS Step Functions
11.	Lab: Observability and Monitoring

Lesson 10 – Event-Driven Development Using Queues and Streams

1.	Security Best Practices for Serverless Applications
2.	Applying Security at All Layers
3.	API Gateway and Application Security
4.	Lambda and Application Security
5.	Protecting Data in Your Serverless Data Stores
6.	Auditing and Traceability

Syllabus of AI and ML with Excel Training

Lesson 11 – Handling Scale in Serverless Applications

1.	Scaling Considerations for Serverless Applications
2.	Using API Gateway to Manage Scale
3.	Lambda Concurrency Scaling
4.	How Different Event Sources Scale with Lambda

Lesson 12 – Automating the Deployment Pipeline

1.	Importance of CI/CD in Serverless Applications
2.	Tools in a Serverless Pipeline
3.	AWS SAM features for Serverless Deployments
4.	Best Practices for Automation
5.	Lab: Securing Serverless Applications
6.	Lab: Serverless CI/CD on AWS

Exam Format of AI and ML with Excel Certification

Examination Format	
Exam Name	**AI and ML with Excel Exam**
Exam Format	Multiple Choice
Total Questions & Duration	30 Questions, 1 Hour
Passing Score	Minimum passing score of 70%
Exam Cost	Included in training fee

To get you fully prepared with the knowledge and skills for AI and ML with Excel, a training session at Unichrone gives immense importance to mock questions at the end of every module and problem-solving exercises within the session. Prepared by certified faculty, the practice tests are a true simulation of the AI and ML with Excel exam.

Contact Us

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