New Technologies Certifications – Course Details

New Technologies courses focus on **cutting-edge digital innovations** that are transforming industries worldwide. These programs equip learners with **future-ready skills** in **Artificial Intelligence, Machine Learning, Deep Learning, and Blockchain**, enabling them to build intelligent systems and decentralized solutions.

📘 Courses Covered

- Blockchain

- Machine Learning

- Deep Learning

- AI and Deep Learning

🔹 Course Overview

New Technologies certifications are designed to help professionals **understand, build, and deploy intelligent and decentralized systems**.
 These courses emphasize **practical learning, real-world use cases, and industry applications**, making them ideal for professionals looking to stay competitive in the digital era.

1️⃣ Blockchain Certification

Course Overview

Blockchain certification provides a comprehensive understanding of **distributed ledger technology**, smart contracts, and decentralized applications. The course focuses on how blockchain ensures **security, transparency, and trust** across industries.

Key Learning Objectives

- Understand blockchain architecture and concepts

- Learn cryptography and consensus mechanisms

- Build and deploy smart contracts

- Explore real-world blockchain use cases

Target Audience

- Developers and software engineers

- IT professionals

- FinTech and banking professionals

- Entrepreneurs and technology enthusiasts

Prerequisites

- Basic programming knowledge recommended

- Understanding of databases and networks is helpful

Tools & Technologies Covered

- Blockchain architecture

- Ethereum

- Smart Contracts

- Solidity

- Hyperledger

- Cryptographic hashing

Exam Format

- Online certification exam

Number of Questions

- 40–60 questions

Time Duration

- 60–90 minutes

Passing Score

- 60%–70%

Question Types

- MCQs

- Scenario-based questions

- Case-study-based questions

Exam Tips & Strategies

- Understand blockchain workflows clearly

- Focus on real-world applications

- Practice smart contract logic

- Revise consensus algorithms

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2 Machine Learning Certification

Course Overview

Machine Learning certification focuses on enabling systems to **learn from data and improve automatically**. The course covers **supervised, unsupervised, and reinforcement learning** techniques used in modern AI applications.

Key Learning Objectives

- Understand machine learning algorithms

- Build predictive and classification models

- Perform data preprocessing and feature engineering

- Evaluate model performance

Target Audience

- Data analysts

- Software developers

- Aspiring data scientists

- Engineers and IT professionals

Prerequisites

- Basic Python programming

- Fundamentals of statistics and mathematics

Tools & Technologies Covered

- Python

- Scikit-learn

- Pandas & NumPy

- Jupyter Notebook

- Regression & classification algorithms

Exam Format

- Online exam

Number of Questions

- 50–70 questions

Time Duration

- 90 minutes

Passing Score

- 65%–70%

Question Types

- MCQs

- Algorithm-based scenarios

- Case-study questions

Exam Tips & Strategies

- Understand algorithm use cases

- Practice model evaluation techniques

- Focus on data preprocessing concepts

- Solve real-world ML problems

③ Deep Learning Certification

Course Overview

Deep Learning certification focuses on **neural networks and advanced AI models** that power image recognition, speech processing, and natural language processing systems.

Key Learning Objectives

- Understand artificial neural networks

- Build deep learning models

- Work with CNNs and RNNs

- Apply deep learning to real-world problems

Target Audience

- Data scientists

- AI engineers

- ML professionals

- Researchers and advanced learners

Prerequisites

- Machine Learning fundamentals

- Python programming

- Linear algebra basics

Tools & Technologies Covered

- TensorFlow

- Keras

- PyTorch

- Neural networks

- CNNs & RNNs

Exam Format

- Online certification exam

Number of Questions

- 50–75 questions

Time Duration

- 90–120 minutes

Passing Score

- 65%–70%

Question Types

- MCQs

- Scenario-based questions

- Model interpretation questions

Exam Tips & Strategies

- Understand neural network architectures

- Focus on practical applications

- Practice model tuning concepts

- Revise activation functions and optimizers

4️⃣ AI and Deep Learning Certification

Course Overview

AI and Deep Learning certification provides an **integrated understanding of Artificial Intelligence concepts and deep learning techniques**. It focuses on building intelligent systems that simulate human intelligence.

Key Learning Objectives

- Understand AI fundamentals and applications

- Build intelligent models using deep learning

- Work with NLP and computer vision

- Deploy AI-driven solutions

Target Audience

- AI professionals

- Data scientists

- Software developers

- Technology leaders

Prerequisites

- Python programming

- Basic ML and statistics knowledge

Tools & Technologies Covered

- Artificial Intelligence concepts

- Machine Learning algorithms

- Deep Learning frameworks

- NLP & Computer Vision tools

- TensorFlow & PyTorch

Exam Format

- Online proctored exam

Number of Questions

- 60–80 questions

Time Duration

- 120 minutes

Passing Score

- 65%–70%

Question Types

- MCQs

- Scenario-based questions

- Case-study-based questions

Exam Tips & Strategies

- Focus on AI use cases and ethics

- Understand model selection logic

- Practice end-to-end AI workflows

- Revise real-world AI applications

📈 Career Benefits of New Technologies Certifications

- High-demand, future-ready skills

- Strong career growth opportunities

- Global recognition

- Applicable across IT, finance, healthcare, and manufacturing

- Increased earning potential