

# Certified in AI Testing Professional (CAITP)

## Global Certification Program

- ✓ Globally lifetime Valid Certification
- ✓ Lifetime Valid Certification
- ✓ AI based Roleplay & Simulations
- ✓ Two Exam Attempts



# An Overview

## what you can expect from this program

The GSDC Certified Testing AI Professional certification is designed for professionals seeking expertise in AI testing, a rapidly growing field. With AI predicted to create 3 million jobs by 2024, and one in five companies using AI in decision-making, the demand for certified AI testers is increasing.

This certification trains professionals to test and validate AI systems, ensuring their safety, effectiveness, and ethical standards. Certified AI Testing Professionals can expect to earn around \$135,000 per year and open doors to new opportunities in various industries. By earning this certification, candidates demonstrate their commitment to mastering AI testing methodologies, positioning themselves for career growth in this high-demand field.

	<b>Type</b>	Online self-paced learning, Mocks
	<b>Language</b>	English (including subtitles)
	<b>Access</b>	12 months
	<b>AI based Role play</b>	Prepare yourself for career with AI based roleplay
	Digital certificate upon completion ( 2 Attempts)	
	Card Payment, Bank Transfer	
	Reading materials & Reference Templates	
	100% money back guarantee*	

# GSDC Introduction

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## Welcome to the Global Skill Development Council (GSDC)!

As an independent, vendor-agnostic certification organization, we empower professionals worldwide.

Leading MNC organizations and global universities recognize our certifications. With a diverse portfolio of over 150+ programs, including L&D, HR, SRE, DevOps, Agile, Six Sigma, and Cyber Security, we've certified over 250,000 professionals.

Partnered with 100+ global training organizations, GSDC is your gateway to unlocking endless opportunities.

**Join us today and let your skills soar to new heights!**



# Introduction

## Certified AI Testing Professional (CAITP)

The GSDC AI Testing Professional certification is designed to endorse professionals in AI testing which is rapidly emerging as a significant domain. AI is predicted to displace 2 million jobs, but it also has the potential of creating double that number. AI testing is expected to generate 3MN jobs by 2024. One out of every five companies is now using AI in decision-making, and as a result, certified AI testing professionals.

This AI testing certification ensures that people are trained in a specific way on how to deal with some of the complicated cases in testing and validating AI systems to guarantee their safety, effectiveness and other virtues as well as meeting the ethical standards accorded to the AI systems.

The Certified AI Testing Professional who has completed their educational program as a professional can earn \$135,000 per annum and may find new opportunities to grow in other fields. The candidates who will be passing for this certified AI testing professional certification will be showing the industry and the employers that they are in this field to stay and that they are willing to go the extra mile and learn every progressive and sophisticated tool in applying AI testing methodologies to increase the earnings and outcome of their companies.



# Learning Objective

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- ❑ Validate AI testing knowledge and practical expertise
- ❑ Understand ethical considerations in AI system testing
- ❑ Leverage AI for effective software testing processes
- ❑ Implement AI testing tools and techniques effectively
- ❑ Ensure the reliability and safety of AI systems
- ❑ Apply AI testing best practices and methodologies
- ❑ Identify AI system risks and mitigation strategies
- ❑ Continuously upskill in the evolving AI testing domain

## OBJECTIVES OF AI TESTING PROFESSIONAL

# Curriculum

## 1. Introduction to AI:

- Definition of AI and AI Effect
- Narrow, General, and Super AI
- AI-Based and Conventional Systems
- AI Technologies
- AI Development Frameworks
- Hardware for AI-Based Systems
- AI as a Service (AIaaS)
- Pre-Trained Models
- Standards, Regulations, and AI

## 2. Quality Characteristics for AI-Based Systems:

- Flexibility and Adaptability
- Autonomy
- Evolution
- Bias
- Ethics
- Side Effects and Reward Hacking
- Transparency, Interpretability, and Explainability
- Safety and AI

## 3. Machine Learning (ML) Overview:

- Forms of ML
- ML Workflow
- Selecting a Form of ML
- Factors Involved in ML Algorithm Selection
- Overfitting and Underfitting

## 4. ML Data:

- Data Preparation as part of the ML Workflow
- Training, Validation, and Test Datasets in the ML Workflow
- Dataset Quality Issues
- Data Quality and its Effect on the ML Model
- Data Labelling for Supervised Learning

## 5. ML Functional Performance Metrics:

- Confusion Matrix
- Additional ML Functional Performance Metrics for Classification, Regression, and Clustering
- Limitations of ML Functional Performance Metrics
- Selecting ML Functional Performance Metrics
- Benchmark Suites for ML

## 6. ML Neural Networks and Testing:

- Neural Networks
- Coverage Measures for Neural Networks

## 7. Testing AI-Based Systems Overview:

- Specification of AI-Based Systems
- Test Levels for AI-Based Systems
- Test Data for Testing AI-Based Systems
- Testing for Automation Bias in AI-Based Systems
- Documenting an ML Model
- Testing for Concept Drift
- Selecting a Test Approach for an ML System

## 8. Testing AI-Specific Quality Characteristics:

- Challenges Testing Self-Learning Systems
- Testing Autonomous AI-Based Systems
- Testing for Algorithmic, Sample, and Inappropriate Bias
- Challenges Testing Probabilistic and Non-Deterministic AI-Based Systems
- Challenges Testing Complex AI-Based Systems
- Testing the Transparency, Interpretability, and Explainability of AI-Based Systems
- Test Oracles for AI-Based Systems
- Test Objectives and Acceptance Criteria

## 9. Methods and Techniques for the Testing of AI-Based Systems:

- Adversarial Attacks and Data Poisoning
- Pairwise Testing
- Back-to-Back Testing
- A/B Testing
- Metamorphic Testing
- Experience-Based Testing of AI-Based Systems
- Selecting Test Techniques for AI-Based Systems

### **10. Test Environments for AI-Based Systems:**

- Test Environments for AI-Based Systems
- Virtual Test Environments for Testing AI-Based Systems

### **11 Using AI for Testing:**

- AI Technologies for Testing
- Using AI to Analyze Reported Defects
- Using AI for Test Case Generation
- Using AI for the Optimization of Regression Test Suites
- Using AI for Defect Prediction
- Using AI for Testing User Interfaces

### **12. Real-World Tools, Certification, and Case Studies**

- AI Testing Tools and Platforms Overview (e.g., DeepTest, IBM AI Fairness 360)
- Techniques for Adversarial Testing and Data Poisoning Simulation
- Pairwise, A/B, Back-to-Back, and Metamorphic Testing Methods
- Using AI to Analyze Defects, Generate Test Cases, and Predict Failures
- Test Environments: Physical, Virtual, and Cloud-Based AI Testing Labs
- Sample AI Test Projects and Case Studies from Industry
- Preparation for Certifications in AI Quality and Assurance (ISTQB AI Tester, etc.)

# Unleash Unlimited Potential

All GSDC certifications come with a lifetime membership, offering you a world of benefits to fuel your professional growth.



## Expert Created Learning Material

Learn from knowledge shared by Top Industry Experts with 15+ yrs of experience.



## Access to Global Conferences

Be a part of GSDC thriving learning community around the world, sharing knowledge from across the world.



## Speaker invites @ GSDC Webinar Series

Share your knowledge with world at GSDC global webinar series, share your expertise and learn from others.



## Downloadable Resources

Get access to templates and reference documents which will help you to do your day to day tasks easier.



## Certificate Upgrades

Get complimentary certificate upgrades to keep up with the latest updates in processes and frameworks.



## Newsletters, blogs with industry insights

Get newsletters, announcements and articles curated by experts direct to your inbox.



## AI Based Role Play

Learn to implement applicability of knowledge with real life simulation based games.

# What You Get In this Certification Program?

- Engaging digital learning videos
- Exclusive access to Global thought leader sessions & case studies
- Downloadable and implementable resources to support practical application
- Two mock exams with unlimited attempts for comprehensive preparation
- Certification exam voucher with 1-year validity
- Two attempts for certification exam

# What our Candidates Saying?

We greatly appreciate the feedback from our program participants on Trustpilot. With an impressive average rating of 4.7 out of 5, their reviews highlight the positive experiences and value they have gained from our program.



### Global Skill Development Council - GSDC

Reviews 178 • Excellent

★ ★ ★ ★ ★ 4.7 ⓘ

✓ VERIFIED COMPANY



**chandrakaran j**  
2 reviews ⓘ IN

★ ★ ★ ★ ★ Jul 18, 2023

**I had a experience with GSDC with their...**

I had a experience with GSDC with their SRE course and it was very good. The speakers were very knowledgeable and kept it very interactive . Thanks the GSDC team for this !

**Date of experience:** April 13, 2023

👍 Useful    🗨️ Share



**Tosin Olaniji**  
1 review ⓘ NG

★ ★ ★ ★ ★ Jul 11, 2023

**The learning portal was so seamless**

The learning portal was so seamless, and user friendly. The course are so detailed, easy to understand, great lecturers. Safe to say the best learning platform I've used so far. I would recommend learning from GSDC to anyone. You sure will get a value for your money.

**Date of experience:** July 08, 2023

👍 Useful    🗨️ Share



**Majid**  
1 review ⓘ IN

★ ★ ★ ★ ★ Sep 25, 2023

**GSDC has been doing a great job in making learners gain knowledge!**

GSDC has been doing a great job in making the learners find right opportunities to gain knowledge for business! These two days were filled with knowledge and insights!

**Date of experience:** September 25, 2023

👍 Useful    🗨️ Share



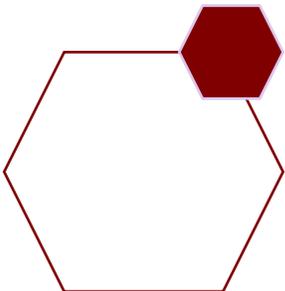
**Amani**  
1 review ⓘ AE

★ ★ ★ ★ ★ Aug 15, 2023

**Certified Learning & Development Professional CLDP**

I took the certification course "Certified Learning & Development Professional CLDP" approved by the GSDC - Global Skill Development Council. So grateful to the professional team at the GSDC for this enlightening opportunity; namely, Ruguzeno, for her dedication, responsiveness, and constant support throughout this learning journey. And very special thanks to the amazing trainer and coach Deepak Sharma for the great weekly live sessions which I believe are the highlight of this certification programme. His knowledge, expertise, and outstanding skills have made the course very insightful, engaging, and enjoyable!

**Date of experience:** July 21, 2023



## Expert-Led Generative AI: Learn, Connect, Grow



### **Interactive Learning Experience:**

Ask questions, discuss case studies, and receive implementation guidelines directly from expert, enhancing your understanding of complex AI topics

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### **Lifelong Learning Journey:**

Enjoy lifetime access to these sessions, ensuring you stay updated with the latest trends and continuously grow your AI expertise

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### **Career-Boosting Network:**

Connect with fellow professionals in the field, creating valuable relationships that can propel your career in the world of Generative AI

## AI-Based Interview Practice Platform



- Engage With Real Time AI Interview Questions.
- Practice Questions Tailored with Your Expertise.
- Validate your Knowledge of subject Matter.

## Capstone Project



- Apply Your Skills in Real World Scenario.
- Learn Methodologies Aligned to Your Expertise.
- Validate Skills and Knowledge Gained through the Certification.
- Showcase Expertise via a Capstone Project.

# Enrollment-Options

## Option-1

### **Certified in AI Testing Professional With E-Learning**

**Fast-track your career by learning a new skill and earning a certificate**

- ✓ Access expert videos and weekend 2-hour live sessions every Saturday with lifetime access
- ✓ 1 Certification Program
- ✓ Two Exam Attempts
- ✓ Lifetime Valid Certification
- ✓ E-Learning Library Access
- ✓ Downloadable Resources-Book of Knowledge, Templates
- ✓ GSDC Membership

**ENROLL NOW**

## Option-2

### **Bundle**

**Create your own bundle with  
3 certification program**

- ✓ 3 Certification Program
- ✓ Access expert videos and weekend 2-hour live sessions every Saturday with lifetime access
- ✓ Two Exam Attempts
- ✓ Lifetime Valid Certification
- ✓ E-Learning Library Access
- ✓ Downloadable Resources-Book of Knowledge, Templates
- ✓ GSDC Membership

**ENROLL NOW**

## **Option-1 Certified in AI Testing Professional with E-Learning**

### **Certified In AI Testing Professional with Digital Learning**

Fast-track your career by learning a new skill and earning a certificate

- ✓ E-Learning from Industry Experts
- ✓ 1 Certification Program
- ✓ Two Exam Attempts
- ✓ Lifetime Valid Certification
- ✓ Downloadable Resources



## Option-2

### Make Your Own Certified in AI Testing Professional Bundle

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**Enrich your skills and advance your career with our exclusive bundle.  
Get certified in the following:**

- Certified Cloud Computing Foundation
- Certified Cloud Testing Advance (CCTA)
- Certified Advanced Software Security Tester Advance Level (CASST)
- Certified Artificial Intelligence Foundation

**Expand your expertise, design impactful learning experiences, and master your skills.**

**BUY ANY**

**3**

**CERTIFICATIONS**

**[Claim Bundle Here !!!](#)**

## *Unlock Workforce Potential Through Skill Validation!*

Enroll now with the code **UPSKILL10** To avail 10% discount.

**Register Now**



**100%**  
**MONEY BACK**

**GUARANTEE**

## **100% Money Back Guarantee!**

At GSDC, quality is our top priority. Our certification programs are designed to foster professional growth and ensure learning satisfaction. If you do not pass the certification exam after two attempts, we offer a 100% money-back guarantee.

- No Questions Asked\*
- 100% Amount Refund\*
- No Processing Fees\*

# Thank You



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