

Certified Additive Manufacturing Professional

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 Certified Additive Manufacturing Professional certification validates your knowledge and skills in 3D printing technologies and their industrial applications. It covers key concepts such as design for additive manufacturing (DfAM), materials used, printing processes (like FDM, SLA, SLS), post-processing, and safety protocols.

This certification is ideal for engineers, designers, and manufacturing professionals looking to enhance their expertise in modern manufacturing methods.

It demonstrates your ability to leverage additive manufacturing for rapid prototyping, product development, and cost-effective production. Gaining this certification boosts your credibility in the field and opens up new career opportunities in innovative industries.

	Type	Online self-paced learning, Mocks
	Language	English (including subtitles)
	Access	12 months
	AI based Role play	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

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 100+ 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 Additive Manufacturing Professional

The GSDC Certified Additive Manufacturing Professional certification is a valuable credential that validates an individual's expertise in the field of additive manufacturing, also known as 3D printing. As additive manufacturing continues to revolutionize industries ranging from aerospace to healthcare, this Additive Manufacturing Professional Certification demonstrates a comprehensive understanding of the technology, its applications, and its potential impact on the future of manufacturing.

The Additive Manufacturing Professional Certificate recognizes professionals who possess the essential knowledge and skills to design, develop, and implement additive manufacturing solutions, enabling them to contribute to the advancement of this cutting-edge technology. With the increasing demand for Certified Additive Manufacturing Professionals across various sectors, this certification not only enhances career opportunities but also plays a crucial role in driving innovation and fostering the widespread adoption of additive manufacturing techniques.



Learning Objective

- ☐ Understand additive manufacturing processes and techniques.
- ☐ Design and optimize additive manufacturing solutions.
- ☐ Implement additive manufacturing systems and workflows.
- ☐ Analyze and troubleshoot additive manufacturing issues.
- ☐ Evaluate additive manufacturing materials and applications.

OBJECTIVES OF ADDITIVE MANUFACTURING PROFESSIONAL

1. Introduction to Additive Manufacturing:

- Overview and Concepts
- Definition and Fundamental Characteristics of Additive Manufacturing
- Basic principles: Layer deposition, solidification/polymerization, object formation
- Historical Evolution
- Origins and Evolution of Additive Manufacturing
- Impact Areas
- Significant impacts in aerospace, medical, automotive, product design, and architecture
- Benefits and Advantages
- Comparison with traditional manufacturing methods

2. Additive Manufacturing Technologies and Processes:

- Core Technologies
- Stereolithography (SLA)
- Selective Laser Sintering (SLS)
- Material Jetting (MJM)
- Fused Filament Fabrication (FFF/FDM)
- Overview of other relevant AM technologies
- Understanding Components
- Sensors, actuators, and control systems in AM

3. Design and Modeling for Additive Manufacturing:

- Modeling Software
- Use of CAD and CAM for AM
- Optimizing Part Geometry
- Techniques for material consumption reduction, printing time optimization, and performance enhancement
- Support Structures and Fixation
- Importance and optimization of support structures
- Part Orientation Strategies
- Positioning and racking strategies for efficiency and quality

4. Materials in Additive Manufacturing:

- Material Types and Characteristics
- Metals, polymers, ceramics, and composites
- Material properties: Mechanical strength, temperature resistance, and more
- Material Selection
- Selecting materials based on application requirements
- Material Advantages and Limitations
- Analysis of costs, availability, and processing challenges

5. Practical Applications in SMEs:

- Case Studies Analysis
- Automotive, aeronautics, medical industries
- AM Integration in Production
- Design, material selection, and printing process for SMEs
- Cost-Benefit Analysis
- Evaluating investment versus benefits in AM

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

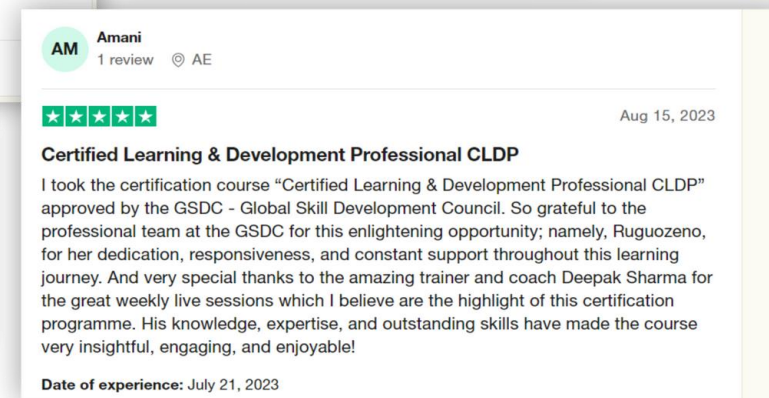
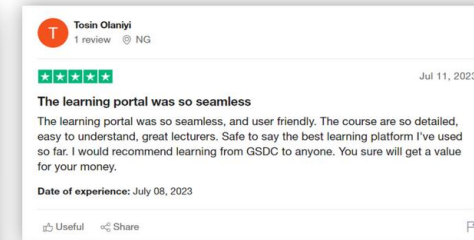
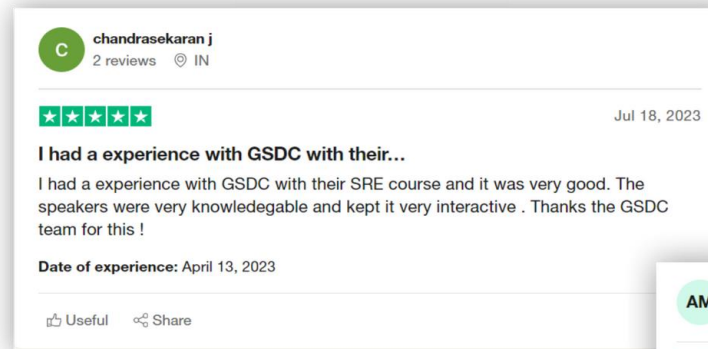
Learn to implement applicability of knowledge with real life simulation based games.

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.



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



☐ **Lifelong Learning Journey:**

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



☐ **Career-Boosting Network:**

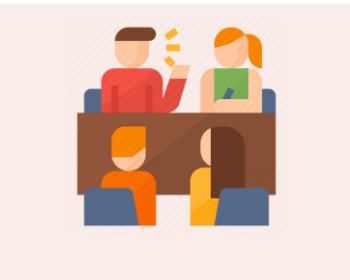
Connect with fellow professionals in the field, creating valuable relationships that can propel your career in the world of Generative AI

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

Certification Additive Manufacturing 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 Additive Manufacturing Professional with E-Learning

Certified Additive Manufacturing 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



ENROLL NOW

Option-2

Make Your Own Certification Additive Manufacturing Professional Bundle

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

- Certified Agile Scrum Foundation
- Certified Agile Scrum Master
- Certified Agile Scrum Product Owner
- Certified PMO Professional

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

BUY ANY

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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!

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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