

# Professional Certificate Program In Generative AI

Unlock the transformative power of Generative AI with our hybrid Professional Certificate Program designed for both beginners and working professionals. Over the span of this comprehensive program, you'll gain foundational knowledge, hands-on skills, and advanced techniques to become proficient in one of the most revolutionary fields of the decade.

**72**  
**Hours**

**Classroom/Theory  
Training**

**48**  
**Hours**

**Hands On  
Projects/Practical**

**2**  
**Months**

**Internship**

**Duration:** Weekly - 2 Sessions/Week

**Weekday:** 1 Online Live Class (Evening)

**Weekend:** 1 Offline Session (In-person at campus)

# Modules

## Module 1

### Python Fundamentals

Build essential Python skills that will serve as the building blocks for your learning journey. Utilize Python to implement Artificial Intelligence (AI) and Machine Learning (ML) algorithms effectively, conduct data analysis, and construct intelligent systems efficiently.

## Module 2

### Essentials of Generative AI, Prompt Engineering & ChatGPT

This course offers an extensive exploration of cutting-edge AI concepts, including generative AI, prompt engineering, LLMs, and ChatGPT, among others.

## Module 3

### Advanced Generative AI – Image Generation Capabilities

Explore the cutting-edge capabilities of Generative AI in image generation with this course. Delve into Stable Diffusion and Denoising techniques, mastering the art of producing high-quality, coherent images from noisy data. Unlock the potential of Shared Embedding Systems, enabling seamless integration and representation of diverse image features.

## Module 4

### AI in Business and Real-World Applications

Discover how Generative AI is reshaping industries by automating tasks, enhancing decision-making, and creating new customer experiences. This module dives into real-world use cases across sectors like marketing, finance, healthcare, and retail.

## Module 5

### Electives :

Tailor your learning experience by selecting from advanced elective tracks designed to deepen your expertise in specialized areas of AI. These electives allow you to focus on the domains that align with your career goals or interests.

- ADL (Advanced Deep Learning) and Computer Vision
- NLP (Natural Language Processing) and Speech Recognition
- Reinforcement Learning

# Key Features of the Program



Program completion certificate from VocSkill.



80+ hours of core curriculum delivered in live online + on campus classes by seasoned industry experts.



Live online masterclass delivered by expert faculty, enhancing your expertise in GenAI



Build an end-to-end hands-on projects.



Exposure to Copilot, Azure AI Studio, ChatGPT, OpenAI, Dall-E 2, Hugging Face & other prominent tools



Official certificates and badges from NSDC



VocSkill's JobAssist to help you get noticed by top hiring companies.

## Program Outcomes



Apply GenAI to solve real-world business problems.



Grasp GenAI concepts like prompt engineering, ChatGPT, GANs, VAEs, and advanced techniques



Develop an AI-powered tool that analyzes business data, generates insights, and provides actionable recommendations using natural language processing.





# Enroll Now!

## About Us

VocSkill is a leading EdTech platform offering industry-relevant, skill-based programs. In partnership with NSDC, it empowers learners through hands-on training in emerging technologies like AI, preparing them for future-ready careers.

## Our Services

VocSkill offers NSDC-certified training programs with a hybrid learning model, combining online and offline sessions. We provide hands-on projects, personalized career support, and real-world portfolio development. Our services also include custom corporate training to help teams upskill in AI and emerging technologies.



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