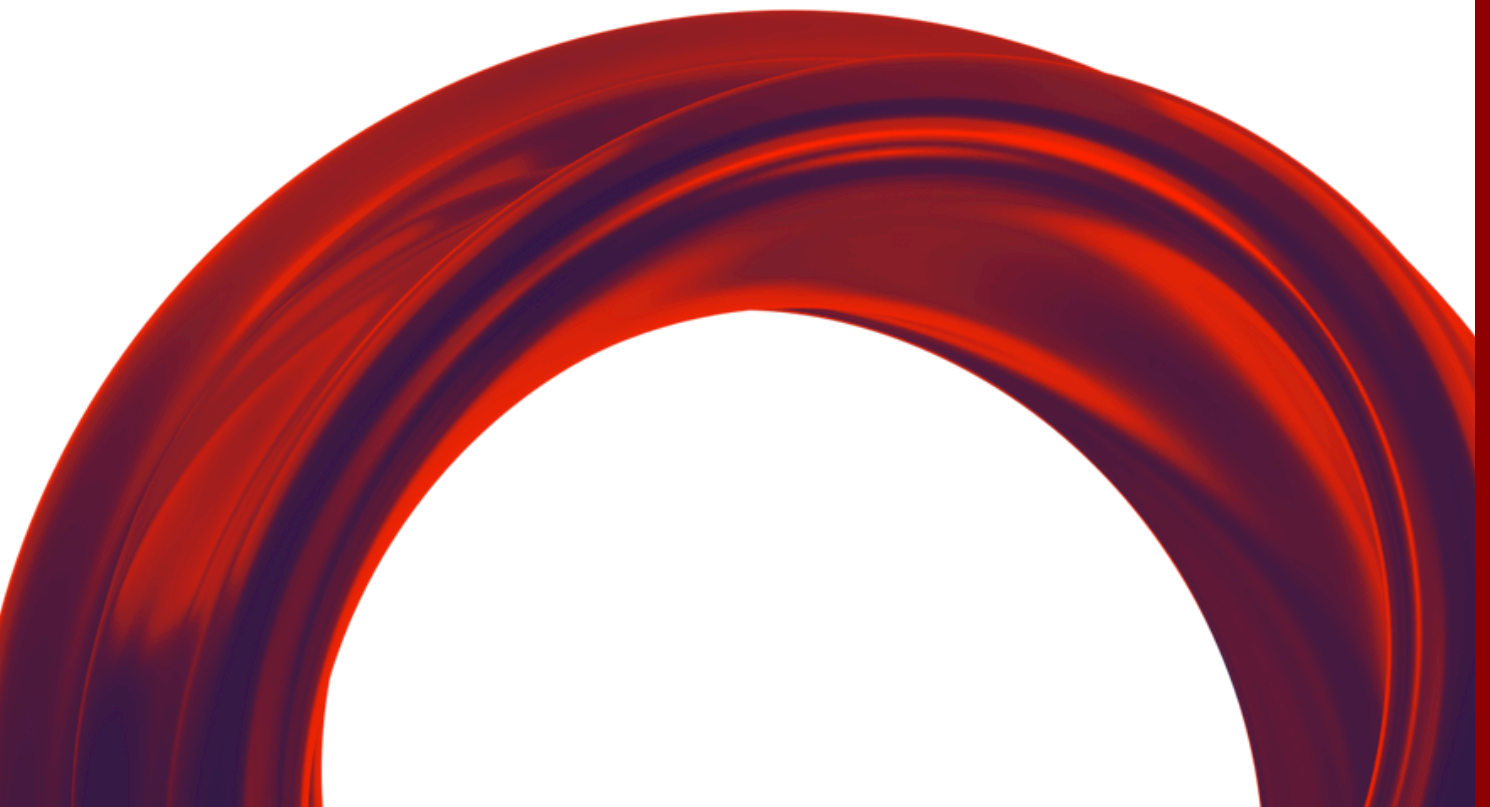


# Course Curriculum

Generative AI  
Professional Certificate



Presented by  
**Department of AI Studies**  
**SIN School of AI**

# Table of Contents

3	Company Summary	9	Course Certification
5	Mission and Vision	10	Enrollment Process
6	Course Details	11	Terms and Conditions
9	Cost Breakdown	13	Contact us



# SIN Education and Technologies Pvt. Ltd

At SIN School of AI, a division of SIN Education and Technology Private Limited, we are dedicated to fostering innovation and equipping learners with the skills to thrive in the AI-driven world. Leveraging the expertise and excellence of SIN Technologies, our programs are designed to deliver industry-relevant education in Artificial Intelligence, Prompt Engineering, and cutting-edge technological applications.

As a certified company with ISO 9001:2015 accreditation, recognized by the Egyptian Accreditation Council and the International Accreditation Forum, we uphold the highest standards in quality and excellence. We are proud to be registered under the Startup India Program by the Government of India, a recognized MSME-registered company, and one of PedalStart's Top 25 Startups in Rajasthan.

Established with a vision to revolutionize industries, SIN Technologies is your trusted partner in harnessing the power of AI and technology to unlock new possibilities. Together, let's build the future of innovation.



Er Harshvardhan Purohit  
FOUNDER & CEO

## Our Certifications & Accreditations



# SIN SCHOOL OF AI

The team at SIN School of AI ensures a collaborative and results-oriented approach, empowering students, professionals, and organizations with tailored programs in Artificial Intelligence, Prompt Engineering, and emerging technologies. Together, the management strives to foster innovation, build long-lasting connections, and drive transformative change in the field of AI education and application.

## Organization and Management



**Shiv Prakash Bohra**  
CFO



**Er Harshvardhan**  
CEO



**Dr Amit Khare**  
SENIOR ADVISOR



**Prateek Vyas**  
DEVELOPMENT  
TEAM



**Aditya Purohit**  
GRAPHICS  
TEAM



**Dr Reva Mishra**  
SENIOR  
ADVISOR

# Mission and Vision



## Mission

To empower individuals and organizations by delivering innovative AI education and training that enhances skills, fosters creativity, and drives growth through cutting-edge knowledge and tailored learning experiences in Artificial Intelligence and Prompt Engineering.



## Vision

To be a global leader in AI education, transforming the future of learning and innovation by equipping individuals and organizations with the skills and knowledge to create sustainable growth and excellence in a rapidly evolving digital world.





# Course Details

Professional Generative AI Certification (SOAI010)

## Course Description

Generative AI Mastery is a comprehensive, project-based 30-day course designed for individuals keen on exploring the transformative potential of generative AI. Whether you're a student, a professional, or an AI enthusiast, this course will provide you with both theoretical insights and hands-on experience in harnessing generative models for various applications.

This immersive program covers the full spectrum of generative AI, from understanding its core principles and algorithms to deploying innovative AI solutions for real-world challenges. You will engage in practical projects, industry case studies, and interactive labs to develop a strong technical foundation in generative AI.

The course focuses on empowering learners to create and fine-tune models for tasks like text generation, image creation, code development, and business automation. By the end of the program, participants will have a deep understanding of the generative AI landscape, the ability to build AI-powered applications, and the knowledge to implement these solutions in business and societal contexts.



## Course Content

Module Name	Contents of the Module	Duration (Estimated)
Module 1: Introduction to Generative AI	- Understanding Generative AI- History and evolution of AI- Basic concepts of AI and ML- Importance of Generative AI in modern tech	1 day
Module 2: The Fundamentals of LLMs (Large Language Models)	- Introduction to LLMs- How LLMs work and their architecture- Real-world applications of LLMs- Discussion on LLM as a thought partner	2 days
Module 3: Exploring Generative AI Applications	- Writing with Generative AI- Reading and understanding AI-generated text- Chatting with AI models- What LLMs can and cannot do	2 days
Module 4: Practical Tips for Prompting AI	- How to interact with AI effectively- Best practices for prompting AI- Fine-tuning AI inputs for better outputs	2 days
Module 5: Generative AI for Image Generation	- Understanding the Diffusion Model for image generation- Practical use of image generation tools (e.g., DALL-E, MidJourney)- Project 1: Image Generation using Diffusion Models	3 days
Module 6: Generative AI in Software Development	- Integrating AI into software applications- Hands-on Lab-1: Writing code with generative AI (e.g., GitHub Copilot)- Project: Build a simple app using AI-generated code	3 days
Module 7: Lifecycle of a Generative AI Project	- Understanding project lifecycles- Key steps in a generative AI project- Case study: End-to-End lifecycle of an AI project	2 days
Module 8: Advanced Techniques Beyond Prompting	- Introduction to Retrieval-Augmented Generation (RAG)- Fine-Tuning vs Pretraining on LLMs- Instruction Tuning and RLHF (Reinforcement Learning from Human Feedback)	3 days
Module 9: Tool Use and AI Agents	- Overview of AI agents and tools- Using tools with generative AI (e.g., automation tools, LLMs as agents)- Project: Develop a simple AI agent for a task	3 days
Module 10: Generative AI in Business and Workflows	- Understanding AI's impact on business processes- Identifying new business opportunities with AI- Case Study: AI in business automation	3 days
Module 11: Job Analysis and Automation Potential	- Analysis of job roles affected by generative AI- Exploring new workflows and opportunities- Project: Create a new workflow using generative AI	2 days
Module 12: Generative AI and Society	- Ethical concerns surrounding AI- Artificial General Intelligence (AGI)- Responsible AI- Building a more intelligent world	2 days
Module 13: Real-World Applications of Generative AI	- How businesses use generative AI (case studies from different sectors)- Project: Design a generative AI solution for a business problem	3 days
Module 14: Final Project and Exam	- Work on a final group project using Generative AI tools- Apply all concepts learned in the course- Final Exam: Theory and practical application	3 days

## Features and Benefits

### Solid Foundation in AI

Gain a deep understanding of core AI concepts and applications, including natural language processing, machine learning, and deep learning.

### Master Generative AI

Learn the art of crafting effective prompts to optimize AI tools and enhance your ability to solve complex problems.

### Hands-on Learning

Participate in practical, real-world applications with interactive sessions and project work to reinforce your skills.

### Minor and Major Projects

Apply your knowledge through both minor and major projects, showcasing your ability to handle real-world scenarios.

### Industry-Relevant Skills

Acquire skills that are highly sought after in industries leveraging AI to innovate and solve problems.

### Expert Guidance

Receive instruction from experienced professionals with expertise in AI and prompt engineering.

### Networking Opportunities

Connect with like-minded individuals and professionals in the field of AI and technology.

### Certification

Earn a certificate recognizing your newly acquired skills and boosting your credentials for career advancement.

### Empower Career Growth

Enhance your ability to drive innovation and efficiency in business or your personal AI projects.

### Prepare for Future Technologies

Stay ahead of the curve with a comprehensive understanding of cutting-edge AI tools and applications.



# Cost Breakdown

Includes access to all course materials, hands-on learning sessions, minor and major projects, and certification upon completion.

Total Project Cost in INR	
Cost per Student	3500 Rs per Student
Calendar Duration	
Course Materials	30 Days Course 1 Major Project 1 Minor Project Mock Interviews
LMS Access	
Hands on Sessions + Doubt Solving	
SOAI Community Access + Networking Support	

# Course Certification

By the end of this Course you will be Receiving the given below prestigious certificate from Department of AI Studies SIN School of AI.



# Enrollment Process

After enrolling, students will receive an email with their ID card, Student Handbook, Roll Number, and LMS access details to start the Generative AI Professional Certificate

- After enrolling in the Generative AI Professional Certificate, students will receive an email from SIN School of AI containing all the essential details.
- The email will include the student's ID card, Student Handbook, and their Roll Number for assignment submissions.
- Additionally, all the relevant information to help students during the course will be shared in this email.
- Shortly thereafter, students will receive access to the Learning Management System (LMS), where they can access course materials, submit assignments, and track their progress.

# Terms and Conditions

This section outlines the rules, guidelines, and obligations governing the agreement. It ensures clarity and mutual understanding between all parties involved, providing a framework for compliance and dispute resolution.

## Eligibility

This course is open to individuals of all backgrounds interested in Learning about Possibilities of Generative AI

## Course Duration

The course will be conducted over 30 days, with 1 hours of learning each day. The course includes both theoretical learning and hands-on projects.

## Certification

Certification will be provided upon successful completion of the course, including the final project. Students must complete all projects to receive certification.

## Refund Policy

Refund requests will only be considered if submitted within 24 hours of course registration. No refunds will be issued after this period.

## Project Submission

Students are required to submit both minor and major projects within the specified deadlines. Late submissions may result in disqualification from receiving certification.

## Attendance

Active participation is required for successful course completion. Students are expected to attend all sessions; in case of absence, prior notice must be given.

## Intellectual Property

All course materials, including presentations, projects, and assignments, are the intellectual property of SIN School of AI and are for personal use only.

## Code of Conduct

Students must maintain a respectful and professional attitude towards instructors and fellow participants. Any disruptive behavior will result in immediate removal from the course without a refund.

## Changes to the Course

SIN School of AI reserves the right to modify course content, schedule, and instructors as needed but will be applicable from the next batch for the same.

## Liability

SIN School of AI is not responsible for any personal injury, loss, or damage of belongings during the course.

# For inquiries, contact us.

[www.sintechnologies.in](http://www.sintechnologies.in)  
[ceo@sintechnologies.in](mailto:ceo@sintechnologies.in)  
+91 7357288703

