Post Graduate Certificate in Generative AI (E-Learning)

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About
upGrad Institute

upGrad Institute (UI) located in Singapore, is a Private Education Institution (PEI) registered with SkillsFuture Singapore (SSG). UI programs are developed with a strong focus on outcomes that will empower adult learners with industry-ready education and skills. UI aim to offer a range of Post Graduate Diplomas, Masters and Doctorate programs in partnership with top global universities.

UI is a subsidiary of upGrad - Asia's largest integrated learning, skilling and career development company that has touched over 7 million total registered learners across 100+ countries, to date. It further boasts an alumni base of 400 in Singapore alone, while also enjoying a strong network of 300 direct global university partners, 20,000+ recruitment partners, and an enterprise arm with a clientele of 3000 corporate partners worldwide.

"The opportunity to provide job ready education delivered flexibly and affordably through upGrad Institute's proprietary content and accomplished faculty is exciting, and I am pleased to support this endeavour".

Prof. Arnoud De Meyer
Chair of the Academic Board for upGrad Institute

Cert No: EDU-3-3204
Validity: 19/06/2024 - 18/06/2025

Registration No.: 201005229W
Registration Period: 30/11/2024 - 29/11/2028

Course
Highlights

Hands on Experience

Learn how to build your GenAI Application. 5+ hands on projects with a python boot-camp goals.

Live Classroom Session

70+ hours of live sessions with top-notch faculties members and industry experts, where you will receive hands-on learning experiences that will prepare you for real-world challenges

For the Industry, by the Industry

Learn from the industry experts who will mentor you throughout the programme. Gain valuable insights from the best in the field and make your mark in the industry.

Course Developed with
Global Experts

Georgios Ouzounis
Head of ML Engineering
@AtlasAI

Kshitij Jain
Data Science & ML Programs
@Upgrad

Ankush Chopra
Director
@Treden

upGrad Learning
Experience

Live Discussion Forum for Peer-to-Peer Doubt Resolution Monitored by Technical Experts

180+ hours of learning

Access to the Course 24/7

Mentorship

70+ hours of live interactive sessions with industry experts, for a holistic understanding of AI domain.

Format

Online format with professionally curated live sessions from industry experts to help with topic walk-throughs, doubt resolution and personalised project feedback

Industry
Projects

Create ShopAssist AI:

A Conversational Interview Bot that conducts interviews, evaluates the candidate using a standardised scoring and provides corrective feedback.

Create PixxelCraft AI:

Enable and fast-track digitisation for offline e-commerce businesses by generating high-quality images for a large product portfolio.

Create ShrewdNews AI:

Automate News Recommendation using GPT3 and Copilot powered Machine Learning.

Create Mr.HelpMate AI:

A customer facing Chatbot that answers questions by scanning organisation's custom data.

Create SemanticSpotter:

Mr.HelpMate AI on Steroids; Use LangChain to create a chat-based knowledge retrieval system that answers questions by scanning multiple sources of data.

Scale Mr.HelpMate AI:

Using Azure OpenAI services.

Course
Curriculum

Programming 101

Create ShopAssistAI

Create PixxelCraft AI

Create ShrewdNews AI

Create Mr.HelpMate AI

SemanticSpotter - Mr.HelpMate AI on Steroids

Scale Mr.HelpMate AI using Azure OpenAI services

Future Developments in Generative AI

Assessment structure (per Project)

Project Name	Weightage	
	Projects	MCQs
ShopAssist AI	70	30
PixxelCraft AI	-	100
ShrewdNews AI	-	100
Mr.HelpMate	70	30
SemanticSpotter	70	30
Scale Mr.HelpMate	-	100

* Assessment element weightage varies from project to project
* Overall passing criteria : Minimum 20% in 4 out of 6 projects

Who is this
Course for?

Engineers

01

03

Data Professionals

Software and
IT Professionals

02

What are some of the **Job opportunities** after graduation?

- Gen AI Engineer
- Data Scientist
- Machine Learning Engineer
- Data Analyst
- Gen AI Internships
- GenAI Researcher

Top Subjects
you will learn

Generative AI Models
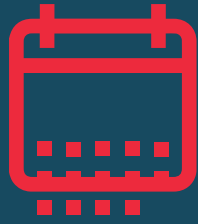
Transformers

ChatGPT

Prompt Engineering

Product Development

Deploy Web Apps with Flask

Course Details

Course Duration
6 months

Format
E-Learning

Course Fee
Please refer to
the website for Course fee

Eligibility
Minimum Age: 21 years old

Language Proficiency: Bachelor's Degree
where English is the mode of delivery, or
equivalent.

Academic Level: Bachelor Degree (or
equivalent); or mature candidates who
are atleast 30 years old and above with
8 years of work experience and with a
Diploma; and with basic programming
proficiency in any language.

Weekly Commitment
14-16 hours

Live Session
Weekly

upGrad
INSTITUTE