

Generative AI Masterclass Course Schedule

The course will consist of 12 hours worth of content, including reading materials, recorded lectures, and recorded tutorials. The content for each session will be made available on the dates listed in the document. You will also receive 1-1 project support sessions. Places are limited and we recommend applying early!

Session 1 (10th May): Introduction to Generative AI

- Introduction to foundational concepts of AI and machine learning
- Overview of the history and development of generative AI
- Explanation of the main components and technical building blocks of generative AI
- Overview of different generative model applications

Session 2 (17th May): Generative AI for Text

- Introduction to Natural language processing (NLP) and transformer architecture
- Overview of the latest advancements in generative AI for text generation
- Explanation of how language generative AI models like GPT-3 and GPT-4 work and their potential applications like ChatGPT
- Practical session on using language generative AI application and designing effective prompts to get the desired output from the models.

Session 3 (24th May): Generative AI for Image and Multimodal Models

- Explanation of image generative models: from VAE to Diffusion
- Introduction to multimodal generative AI
- Practical session on generating images using Stable Diffusion and MidJourney

Session 4 (31st May): Building Applications on Generative AI, from using Apps to querying APIs

- Overview of the different types of generative AI applications

- Introduction to data engineering for applications powered by generative AI
- Explanation of the APIs of generative models and how to use them in your application
- Practical session on building applications that utilise generative AI models through querying the API

Session 5 (7th June): Developing an AI Strategy

- Overview of the different types of AI strategies and their importance in business and industry
- Explanation of the key considerations when developing an AI strategy for business, including identifying suitable use cases, selecting the right AI model, and ensuring ethical and responsible use of AI
- Practical session on developing an AI strategy for generative AI projects in startups and small businesses
- Introduction to strategy and best practices of using generative AI to improve productivity,

Session 6 (14th June): Roundup and Recap

- Review and summary of key concepts and learnings from the previous sessions
- Best practices for implementing generative AI in your business
- Guidance on next steps and resources for further learning and development in the field of generative AI