



SORINTEQ

ADVANCED ARTIFICIAL INTELLIGENCE FOR INTERNET INVESTIGATIONS

**Government Expertise. Commercial
Innovation. Trusted Intelligence.**

**7-Day Advanced Specialist
Programme**

**Training for Government and
Commercial Sectors**

- 2 Days Virtual Pre-Course + 5 Days Classroom-Based Practical Training
- Advanced Training for Government, Law Enforcement, Intelligence and Commercial Investigators
- Specialist Internet Investigation Training
- Advanced AI & Investigative Technology
- Practical Scenario-Based Training
- All Training Equipment Provided
- In Association With the University of Buckingham

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DISCOVER THE NEW SORINTEQ

Course Overview

Artificial Intelligence is fundamentally changing the way investigators collect, process, analyse and interpret information from the internet and digital environments.

For experienced practitioners, the challenge is no longer simply understanding how to use AI. The emerging requirement is to understand how AI can be engineered into an investigative capability, how multiple AI technologies can be combined, how outputs can be validated, and how investigators can maintain operational security, evidential integrity and professional accountability.

The Advanced Artificial Intelligence for Internet Investigations Course is a 7-day specialist programme designed for experienced investigators, intelligence analysts, OSINT practitioners, cyber investigators and security professionals who already possess a strong working knowledge of AI-assisted investigation. The programme combines two days of virtual preparatory learning with five days of intensive classroom-based practical training.

The virtual component establishes a common advanced baseline before participants attend the classroom programme. The classroom phase then concentrates on practical application, complex investigative scenarios, advanced AI workflows, automation, online identity operations, multimodal intelligence analysis and integrated investigation.

The programme is deliberately tool-independent, enabling participants to develop the understanding required to adapt as AI technologies, models and investigative platforms continue to evolve.

Who is the Course For?

This course is designed for professionals who already have experience of digital investigation, intelligence gathering, OSINT or cyber-enabled investigative activity, including:

- Digital investigators and intelligence analysts
- Cyber security and cybercrime investigators
- OSINT practitioners and internet researchers
- Law enforcement investigators
- Government and intelligence professionals
- Financial crime and fraud investigators
- Corporate intelligence and due diligence professionals
- Security and threat intelligence practitioners
- Digital forensic and investigative specialists

Participants should have previous practical experience in digital investigation, OSINT, intelligence gathering or cyber-enabled investigative activity, together with experience using generative AI and AI-assisted research tools. The course is particularly suitable for practitioners who have already completed Sorinteq's introductory and intermediate AI programmes, or who can demonstrate equivalent knowledge and experience.



COURSE CONTENT

The course combines advanced practical application with structured investigative methodology, including:

Advanced AI Models and Capabilities

Review of current model opportunities and availabilities including Multimodal AI, LLM, reasoning models, vision models AI agents and understanding model limitations.

Advanced Prompt Engineering

Looking at more advanced prompt engineering creation including; complex investigative prompts, prompt chaining, few shot techniques, structured outputs, reusable investigative prompt libraries and prompt optimisation.

AI assisted Research

Utilising AI to support research activity using techniques including; Complex research planning, search strategy development, Multi lingual research, entity extraction, Relationship discovery, timeline construction, source comparison and research automation.

AI Verification

Utilising AI to support Hallucination identification, source validation, confidence assessing, contradiction detection, evidence versus assessment and AI quality assurance.

AI-Assisted Intelligence Analysis

Analysing competing hypotheses, alternative explanations, cognitive bias recognition, structured analytical techniques, risk assessing, gap analysis and predictive versus descriptive analysis.

AI Automation

Utilising AI to support AI workflows, AI agent usage, document repositories, No-code automation and Human approval points.

AI-Enhanced OSINT

Looking at techniques to support Advanced on-line research, complex search strategies, Multi lingual investigations, entity discovery, historical research, research automation and validation.

AI-Assisted Online Investigative Analysis

Developing reusable investigative prompts, multi-stage workflows, prompt chains, structured outputs and specialist prompt libraries.

AI Automation and Investigative Workflows

Identifying opportunities in identity development and management, digital footprint analysis, behavioural analysis, relationship discovery and network development.

AI-Assisted Social Media intelligence

Understanding how AI can support narrative analysis, influence mapping, trend analysis, coordinated behaviour and account behaviours.





**SORINTEQ
SERVICES**

Aims and Objectives of the Course

By the end of the programme, participants will be able to:

- Design advanced AI-assisted investigative workflows.
- Integrate multiple AI capabilities into internet investigations.
- Conduct complex AI-assisted OSINT and intelligence collection.
- Analyse large and diverse information sets using AI.
- Apply AI to digital evidence, imagery, audio and video.
- Use AI to support authorised covert online investigative activity.
- Develop and manage investigative online identities within appropriate governance frameworks.
- Apply advanced prompt engineering techniques.
- Build reusable AI investigative workflows.
- Design conceptual AI agents and automated investigative processes.
- Integrate knowledge bases and information repositories with AI workflows.
- Apply structured analytical techniques with AI assistance.
- Critically evaluate AI-generated intelligence.
- Identify hallucinations, bias, misinformation and unsupported conclusions.
- Maintain evidential integrity and auditability.
- Apply operational security and data protection principles.
- Evaluate the risks associated with AI-enabled investigations.
- Develop appropriate human oversight and approval mechanisms.
- Produce professional, decision-ready intelligence products.
- Adapt investigative capability as AI technologies continue to evolve.

Why Choose Sorinteq

Sorinteq delivers university-accredited, practitioner-led training trusted by Government and commercial organisations. Its existing AI programme is explicitly positioned around practical, operationally relevant capability and the integration of AI into investigative workflows while maintaining professional standards and evidential integrity.

The Intermediate Artificial Intelligence in Digital Investigations programme builds on this foundation by providing practitioners with the opportunity to move from understanding and using AI to designing and integrating AI-enabled investigative capability.

The programme combines practical investigation, intelligence analysis, cyber security, OSINT, digital evidence and responsible AI practice, providing participants with skills that can continue to evolve alongside rapidly developing AI technologies.

Students undertaking courses provided by Sorinteq may earn credits towards formal academic qualifications such as Post Graduate Certificate, Diploma or MSc at the University of Buckingham.





SORINTEQ SERVICES

Why Choose the Sorinteq Three level AI investigative Pathway?

Level	Programme	Primary Purpose
LEVEL 1	Foundation AI in Digital Investigations	Understand and Apply AI
LEVEL 2	Intermediate AI in Digital Investigations	Integrate AI in Investigations
LEVEL 3	Advanced AI for Internet Investigations	Engineer and lead AI-enabled Investigations

How to identify what level of training you require in AI in investigations

Level 1

"What can AI do for me?"

Level 2

"How do I integrate AI into my investigation?"

Level 3

"How do I design and lead an AI-enabled investigative capability?"



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