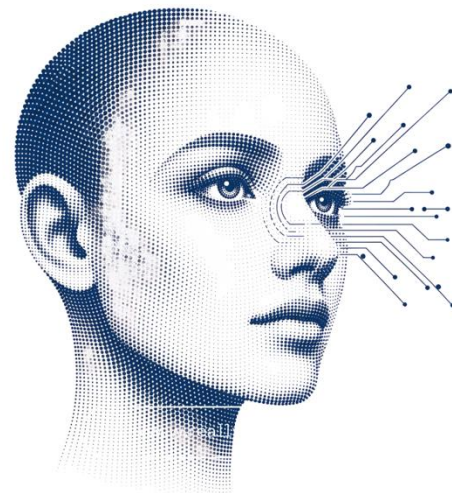


University of Essex



sensiwise.ai



Beyond Automation

Build AI Agents That Think, Decide, and Act
A Two-Day Industry Masterclass

DATE

1–2 Oct 2026

LOCATION

Univ. of Essex,
Colchester

CERTIFICATE

UoE Certificate

FEE

£650 per delegate

About the workshop

Agentic AI systems that plan, reason, use tools, and take autonomous actions, represents the next frontier in AI. In just two days, you will move from foundations to a fully working agent system, guided by experts from KAUST Academy (global top-20) and Sensiwise AI, on campus at the University of Essex.

What you will build

- Lab 1: RAG pipeline: load, chunk, embed and retrieve context to ground LLM responses
- Lab 2: Data analyst agent: an agent that decides what analysis to run autonomously
- Lab 3: Meeting summarizer: multi-step pipeline extracting structured action items
- Lab 4: Research agent: agentic RAG that loops, retrieves, and synthesizes
- Capstone: Build and present your own business-ready agentic solution

What you will learn

- Agentic AI foundations: agent loop, memory types, tool use, and design patterns
- RAG deep-dive: chunking, embeddings, vector stores, semantic and hybrid retrieval
- LangChain or LangGraph: build agents that choose and act, not hardcoded scripts
- Models across the spectrum: small open-source and closed-source LLMs in action
- Governance and ethics: human-in-the-loop, GDPR, and responsible AI frameworks

Who should attend

AI Engineers and Data Scientists

Build production-grade agentic systems using LangChain, LangGraph, and RAG pipelines

Technical Professionals

Developers and practitioners ready to move beyond LLM prompting into autonomous agent design

Academic Researchers

University staff and postgraduate students exploring applied AI and industry collaboration

What is included: £650 per delegate (VAT exempt)

- Both workshop days (9:00 AM – 5:00 PM)
- Pre-configured cloud lab environments
- All course materials, notebooks, and datasets
- Catering across both days
- Participant goody bag
- UoE certificate of completion
- On-campus B&B accommodation
- Post-workshop digital resource hub

Delivered in partnership with **University of Essex** × **Sensiwise AI** × **KAUST Academy** (global top-20 research institution)

Register now places strictly limited to 50 participants

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