

AI CONSULTANT/ENGINEERING BROCHURE

COURSE OVERVIEW

Step into the world of AI Engineering, where data meets intelligence. This field blends core disciplines like Artificial Intelligence, Machine Learning, and Data Science to build solutions that learn and adapt. Transformers powering today's Large Language Models (LLMs), the possibilities are endless.

You'll get hands-on with industry-leading AI tools and develop smart AI agents capable of reasoning, interacting, and automating tasks—pushing the boundaries of what's possible with technology.

COURSE CONTENTS

1. BASICS OF AI
2. AI PRODUCTIVITY TOOLS (HANDS-ON OVERVIEW)
3. PROMPT ENGINEERING
4. MACHINE LEARNING MODELS
5. LARGE LANGUAGE MODELS (OPENAI, CLAUDE, GEMINI)
6. MCP SERVERS
7. RAG
8. AI AGENTS
9. AGENTIC AI
10. END TO WORKFLOWS USING AI AGENT - N8N TOOL

1. Basics of AI

- Step into the world of Artificial Intelligence
- Definition and goals of AI: Narrow, General, and Super AI
- Real-world applications: chatbots, recommendation systems, self-driving cars, healthcare assistants
- Difference between AI, Machine Learning, and Data Science
- How AI systems “think” and make decisions
- Ethical and responsible use of AI

2. AI Productivity Tools (Hands-On Overview)

- ChatGPT, Claude, Gemini — text intelligence
- Midjourney, DALL-E 3 — image generation
- ElevenLabs, PlayHT — voice synthesis
- Runway, D-ID — video and digital avatar creation

3. Prompt Engineering

- Learn how AI tools like ChatGPT, Gemini, and Claude interpret prompts and why clarity matters.
- Understand system, user, and associate prompts — when and how to use each effectively.
- Write structured, context-rich prompts using roles, examples, and clear instructions.
- Refine and test prompts through iteration for accuracy, tone, and consistency.
- Apply ethical and responsible prompting, ensuring fairness, factuality, and safety.

4. Machine Learning Models

- Introduction to Machine Learning and its types: Supervised, Unsupervised, and Reinforcement Learning
- Understanding key algorithms such as Decision Trees, Regression, and Clustering (conceptual, no coding)
- Real-world case studies: spam filters, product recommendations, anomaly detection
- How ML models are trained, validated, and deployed
- Future trends: AutoML and no-code ML platforms

5. Large Language Models (OpenAI, Claude, Gemini, etc.)

- Dive into the AI brains behind today's conversational tools like ChatGPT and Claude.
- How Transformers and LLMs like GPT, BERT, and T5 work (simplified overview)
- Understanding prompts, context windows, and tokenization
- Hands-on demos: using OpenAI Playground & Hugging Face models
- Use cases: content generation, text summarization, chatbots, and automation

6. MCP Servers (Model Context Protocol)

- What is the Model Context Protocol (MCP) and how it connects AI models with real-world data sources
- Hosting and managing AI backends using MCP servers
- Overview of integrating AI tools and services under one architecture
- How MCP enables plug-and-play AI agents and automation pipelines

7. RAG (Retrieval-Augmented Generation)

- What is RAG and how it enhances LLM accuracy
- Using your own data sources (PDFs, websites, databases) with AI
- Concept of vector databases and embeddings (simplified demo)
- Real-world use cases: customer-support bots, knowledge assistants, research copilots
- Building a mini RAG workflow using OpenAI API

8. AI Agents

- Introduction to AI Agents and multi-agent systems
- Types: Reactive, Deliberative, and Hybrid Agents
- Use cases: task automation, workflow orchestration, scheduling, and data analysis
- Essential frameworks: AutoGPT, SuperAGI, Fixie.ai, LangGraph
- Build a simple AI Agent workflow to complete multi-step business tasks

9. Agentic AI

- What “Agentic AI” means and how it extends beyond single AI prompts
- How multiple agents collaborate and make decisions dynamically
- Example: An AI that plans, researches, and executes tasks automatically
- The role of context engineering, memory, and feedback loops in reliable agents
- Build an Agentic AI Flow using no-code platforms like n8n, LangFlow, or Flowise

10. End-to-End Workflows Using AI Agents

- Designing a complete workflow using AI tools and agents
- Connect LLMs, databases, APIs, and automations
- Build a live “AI-powered business assistant” (no coding)
- Integration with MS Teams, Google Workspace, and CRM tools
- Project: Automate your own business task using Agentic AI

n8n Tool

- Installing n8n
- Building a workflow
- Writing custom node logic
- Hosting n8n on Docker
- Connecting it to APIs or OpenAI

ENROLMENT LINK: <https://2ejigc.share-eu1.hsforms.com/2SQ-i8DNuRGGCToDw57h6tg>

TARGET JOBS: AI Consultant, AI Engineer (No-Code), AI Solutions Architect, AI Test Engineer,

Salary: START FROM 40K

DURATION: 20 HOURS

SCHEDULE: 3 BATCHES

Weekend Batch - Sat and Sun 10 am - 1 pm or 2pm - 5pm

Weekday Batch - Mon, Wed, Thur 6pm -8pm

Weekday Batch - Mon, Wed, Thur 11am -1pm

MODE OF TRAINING:

ONLINE (MS TEAMS) OR FACE TO FACE

BENEFITS :

- Recorded sessions: Every session will be recorded in Ms Teams so that you can review the class any time upto 3 months.
- Course material: Every session will be backed up by the course content in pdfs, docs and excel so that it will help for further learning and homework.

RECENT TESTIMONIAL FROM KARTHIKEYAN:

“I am a Data Scientist actively seeking placement opportunities in the UK. During my search, I discovered IT Talent Hub and utilized their services. Thanks to their assistance, I am now successfully placed in a reputable company. I am immensely grateful to the department faculty, Subash and Swapna, as well as Director Sree Ram, and the placement cell for their invaluable guidance throughout the process. My experience with IT Talent Hub and its placement procedure was truly exceptional. The placement cell exhibited thorough knowledge and provided support at every stage”

RECENT TESTIMONIAL FROM POOVALAZHI



TO KNOW MORE DETAILS AND FEE STRUCTURE

Contact us



+44 7459 334316



ITTALENTHUB.CO.UK



INFO@ITTALENTHUB.CO.UK



**SUITE 1, 3RD FLOOR, FOREST HOUSE, 16-20 CLEMENTS RD,
ILFORD, LONDON IG1 1BA**



DISCOUNT:

Many discounts like Student, Alumni, Referral etc available.

General FAQ :

1. Duration of the course

20 Hours

2. Do you provide materials for the course?

YES. Running notes, Admin guides etc, teams recordings.

3. What is the course fee?

The fee for the total duration of the course, including tutor fees, course material is £499.

4. What courses do you offer for students?

AI Testing

AI Consultant/Engineering

AI Ops

AI development

5. Is the course refundable?

Yes, if you don't like the training within a week we can transfer you to new course to a new batch or Refund.

6. Payment Plan

o Yes, we have a special plan to pay in 2 instalments for students. The total fee of £499 which is payable in 2 instalments:

☐ £250 (Refundable) - Deposit to enrol in the course

☐ Rest of payment- After 2 weeks of the course

7. Can I do this course outside the UK?

o Yes, we have students from different countries who are doing the course.

8. What is the fee for students outside the UK?

o Depends upon the currency. Please contact us for more details via WhatsApp - +44 7459 334316

9. Is it a live session or recorded session?

o It's a live session which is recorded for future reference for the students.

10. What are the timings of the course?

o Weekdays: Mon/Wed/Thu - 11 AM - 1 PM (OR) 6 PM - 8 PM (6 hours per week)

o Weekends: Sat and Sun - 10 AM - 1 PM or 2PM - 5PM (6 hours per week)

11. What if I miss a session?

o You can always go through the recording of the class you missed. If you have any doubts, you can connect with the trainer.

12. Is the course interactive?

o Yes, it is a live class. During the class, the trainer will discuss some technical questions.

13. Who will be the trainer?

o Trainers are all 10-15+ years experienced professionals working in multinational companies, who will help you with their real-time experience.

14. What if I join in the middle of the course?

o Based on your profile, you can join in the middle of the course. Our trainer will take catch-up sessions to cover the topics that have been covered so far in the class.



15. What if I want to discontinue in the middle of the course?

o We don't encourage discontinuation. However, in an emergency, please contact us. We will put you in a different batch and discuss individual circumstances.

