



SPANBIX TRAINING INSTITUTE

Artificial Intelligence — Job-Ready Course Outline for 12th Pass Students
From Zero to AI Professional · No Coding Background Needed · 12 Weeks · 50+ AI Tools

COURSE AT A GLANCE

Duration: 12 Weeks (3 Months)	Level: 12th Pass → AI-Ready Professional
Live Hours: 84 hrs instruction + 60 hrs hands-on tool practice	Mode: Online / Offline / Hybrid — all options available
Capstone Projects: 3 (AI Chatbot, Image Classifier, Automation Agent)	Certification: After all projects + portfolio review + mock interview
Batch 1: Mon/Wed/Fri — 1.5 hrs/class (timing flexible)	Batch 2: Tue/Thu/Sat — 1.5 hrs/class (timing flexible)
Weekend Batch: Sat/Sun — 2.5 hrs/class (timing flexible)	PD Classes: Every Sunday — resume, LinkedIn, mock interviews

WHY THIS COURSE — THE AI CAREER ADVANTAGE

★ Zero Prerequisites Designed for 12th pass students — start from absolute basics, no coding fear	★ 50+ AI Tools Coverage ChatGPT, Midjourney, Runway, Gemini, Copilot, n8n, Make.com and more
★ Hands-on Every Class Every session has live tool practice — learn by doing, not just watching	★ Python for AI Just enough Python to build real AI projects — no CS degree needed
★ Generative AI Deep-Dive Text, image, video, audio and code generation — all four pillars covered	★ AI Automation Build no-code/low-code AI workflows that save hours of daily work
★ Prompt Engineering Master the art of talking to AI — the #1 skill every employer wants now	★ Portfolio Building 3 capstone projects + GitHub + LinkedIn — job-ready on Day 1 of graduation
★ Career Pathways AI Content Creator, Prompt Engineer, AI Analyst, AI Automation Specialist	★ Personality Development Every Sunday — resume, communication, interview prep, LinkedIn branding

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12-WEEK AI CURRICULUM — BUILT FOR THE REAL WORLD

Week	Mod	Topic	Key Content & Tools Covered
PHASE 1 — AI Fundamentals & The Modern AI Landscape Weeks 1–2			
1	M01	What is AI? How It Works & Why It Matters	› What is Artificial Intelligence? – simple definition, real-world examples students already use › History of AI: from chess computers to GPT – why 2023 was the inflection point › Types of AI: Narrow AI vs General AI vs Super AI – what exists today vs science fiction › Machine Learning, Deep Learning, Neural Networks – explained with zero jargon › Large Language Models (LLMs): what they are, how ChatGPT was trained, tokenization › AI today: jobs it is creating, jobs it is changing – the honest picture for a 12th pass student › Live demo: interact with ChatGPT, Claude, Gemini side-by-side and spot the differences › Exercise: write your first prompt, compare 3 AI responses, document observations
1–2	M02	Prompt Engineering (The #1 AI Skill)	› What is a prompt? Why prompt quality is everything – garbage in, garbage out › Anatomy of a great prompt: Role + Context + Task + Format + Constraints › Zero-shot, one-shot, few-shot prompting – with live examples for each › Chain-of-thought prompting: making AI reason step by step for complex tasks › System prompts vs user prompts: how to set AI personas and behaviour › Prompt chaining: breaking big tasks into a sequence of smaller AI calls › Advanced techniques: Tree of Thought, ReAct, Self-Consistency prompting › Tools: ChatGPT (GPT-4o), Claude 3.5, Gemini Advanced, Perplexity AI › Exercise: build a prompt library for 10 real use-cases – study, writing, research, business
PHASE 2 — Generative AI: Text, Image, Video & Audio Weeks 3–5			
3	M03	Text Generation & AI Writing Tools	› Use cases: blog posts, emails, reports, scripts, ads, social media captions › ChatGPT advanced use: custom GPTs, file uploads, code interpreter, browsing › Claude by Anthropic: long-context tasks, document analysis, nuanced writing › Google Gemini: multimodal inputs, Google Workspace integration, Gemini Advanced › Perplexity AI: AI-powered research with citations – replacing traditional search › Notion AI, Jasper, Copy.ai: AI writing assistants for content and marketing teams › AI for study: summarising textbooks, creating flashcards, generating practice questions › Exercise: produce a full blog post + LinkedIn article + product description using AI tools
3–4	M04	AI Image Generation & Design	› How image generation works: diffusion models, DALL-E 3, Stable Diffusion explained › Midjourney: prompt structure, aspect ratios, style parameters, inpainting, outpainting › DALL-E 3 in ChatGPT: integration into chat workflow, editing existing images › Adobe Firefly: commercially-safe AI images, generative fill in Photoshop › Canva AI: text-to-image, magic write, background remover, brand kit AI › Stable Diffusion (AUTOMATIC1111 / Fooocus): free local generation, LoRA models › Leonardo AI, Ideogram, Playground AI: alternatives for different creative styles › Real careers: AI Art Director, Prompt Artist, AI Thumbnail Designer, Brand Designer › Exercise: design a complete social media content pack (10 posts) using AI image tools
4–5	M05	AI Video, Audio & Multimodal Generation	› Text-to-video: Runway Gen-3, Kling AI, Sora (OpenAI), Pika Labs – comparison › AI video editing: CapCut AI, Descript (edit by transcript), Topaz Video AI › AI avatars and presenters: HeyGen, Synthesia – create talking-head videos without camera › Voice cloning and text-to-speech: ElevenLabs, PlayHT, Murf AI, Suno AI for music › Podcast and audio: Adobe Podcast AI (noise removal, mic enhancement), Descript › AI for YouTube/Instagram: idea generation, scripting, thumbnail, auto-captions › Multimodal AI: GPT-4o vision (image understanding), Gemini 1.5 Pro (video input) › Exercise: produce a 60-second AI-generated explainer video with voiceover end-to-end
PHASE 3 — Python for AI & Machine Learning Basics Weeks 5–7			
5–6	M06	Python Essentials for AI	› Why Python? – it is the language of AI; installing VS Code + Python in 10 minutes › Variables, data types, lists, dictionaries – the building blocks every AI script needs › Functions, loops, conditionals – writing reusable logic without overthinking › Libraries overview: NumPy (numbers), Pandas (tables), Matplotlib (charts) › Jupyter Notebook & Google Colab: writing and running AI code in the browser (free)

			› Reading and writing files: CSV, JSON, text – data is the fuel for every AI model › Using AI to write Python: prompting ChatGPT / GitHub Copilot to generate scripts › Exercise: analyse a real dataset (IPL / Zomato / Netflix) and plot insights in Colab
6-7	M07	Machine Learning Concepts & Practical Models	› What is Machine Learning? Supervised, Unsupervised, Reinforcement – with examples › Supervised Learning: classification (spam/not spam), regression (price prediction) › Key algorithms: Linear Regression, Decision Tree, Random Forest – intuitive explanation › scikit-learn: the ML library – fit, predict, evaluate in under 20 lines of code › Train/Test split, accuracy, confusion matrix – how to know if a model is actually good › Unsupervised Learning: K-Means clustering – customer segmentation example › Introduction to Neural Networks: layers, weights, activation functions – visual walkthrough › Google AutoML & Teachable Machine: train image classifiers with zero code › Exercise: build a student score predictor and a spam classifier using scikit-learn
PHASE 4 — AI Agents, Automation & No-Code AI Weeks 8–9			
8	M08	AI Automation & No-Code Workflows	› What are AI workflows? – connecting tools to automate repetitive work › Make.com (formerly Integromat): drag-and-drop automation, 1000+ app integrations › n8n: open-source workflow automation – AI nodes, webhook triggers, API calls › Zapier with AI: Zaps connected to ChatGPT, Gmail, Sheets, Notion, Slack › Use cases: auto-summarise emails → Notion, auto-post AI content → Instagram, lead capture › Airtable + AI: database-driven automation with AI column types › Practical workflow builds: daily news digest bot, resume screener, social media scheduler › Exercise: build a live automation – new Google Form response → AI summary → WhatsApp
8-9	M09	AI Agents & Advanced AI Systems	› What is an AI Agent? – AI that takes actions, not just generates text › OpenAI Assistants API: creating persistent AI agents with tools (code interpreter, retrieval) › AutoGPT, AgentGPT, CrewAI: multi-agent systems where AIs work together on tasks › RAG (Retrieval-Augmented Generation): making AI answer from your own documents › Tools for RAG: LlamaIndex, LangChain basics – chatbot over a PDF in 30 minutes › Chatbot builders: Voiceflow, Botpress, Stack AI – no-code AI chatbots for businesses › Custom GPTs in ChatGPT: build your own AI assistant with instructions + knowledge › Exercise: build a custom AI assistant that answers questions from a company brochure
PHASE 5 — Applied AI, Ethics & Industry Use Cases Weeks 10–11			
10	M10	AI in Industries & Real-World Applications	› AI in Healthcare: diagnosis, drug discovery, medical imaging – real examples › AI in Finance: fraud detection, credit scoring, algorithmic trading, robo-advisors › AI in Education: personalised learning, AI tutors, automated grading, plagiarism detection › AI in Marketing: customer segmentation, ad targeting, content generation, SEO AI tools › AI in E-commerce: recommendation engines, dynamic pricing, chatbot support › AI in HR: resume screening, interview scheduling, employee engagement prediction › AI for Creators: YouTubers, podcasters, writers, graphic designers – real workflow demos › Exercise: research and present how one industry uses AI – 5-slide AI-generated deck
10-11	M11	AI Ethics, Safety & Responsible AI	› AI hallucinations: why AI makes up facts, how to verify AI output, fact-checking tools › Bias in AI: where it comes from, real consequences, how companies address it › Deepfakes and misinformation: how to detect AI-generated content, digital literacy › Copyright and AI: who owns AI-generated content – legal reality in India and globally › Data privacy: what data AI tools collect, GDPR basics, reading privacy policies › AI safety: alignment problem, why top researchers are concerned – explained simply › Responsible AI use: guidelines for students, creators, and professionals › Exercise: analyse a real AI ethics case study and present solutions to the class
11	M12	Microsoft Copilot & Productivity AI	› Microsoft Copilot in Word: draft documents, rewrite, summarise, change tone › Copilot in Excel: formula generation, data insights, chart creation with natural language › Copilot in PowerPoint: create full presentations from a text prompt in minutes › Copilot in Outlook: draft emails, summarise long threads, schedule meeting prep › Copilot in Teams: meeting summaries, action items, follow-up drafts automatically › Google Workspace AI: Duet AI in Docs, Sheets, Slides, Gmail – alternative to Copilot › Notion AI workspace setup: AI-powered second brain for students and professionals › Exercise: take a real brief and produce a complete deliverable using only Office Copilot AI
PHASE 6 — Capstone Projects, Portfolio & Career Launch Week 12			
12	M13	Capstone Projects & Portfolio	› CAPSTONE 1: AI Chatbot – build a custom GPT or RAG chatbot for a real business use case › CAPSTONE 2: AI Image Classifier – train a Teachable Machine model, deploy as a web app › CAPSTONE 3: AI Automation Agent – n8n/Make workflow that solves a real daily problem › Portfolio website: building an AI-generated portfolio site on Framer or Notion

			› GitHub profile setup: uploading project code, writing READMEs with AI assistance › LinkedIn profile optimization: AI-written bio, project highlights, skills section › Resume writing with AI: tailoring resume for AI-related job roles using ChatGPT › Mock interviews: HR + technical rounds, video-recorded, panel feedback – 2 rounds min › Career pathways deep-dive: Prompt Engineer, AI Content Creator, AI Analyst, AI Trainer
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RECOMMENDED DELIVERY MODEL	
Eligibility: 12th Pass (any stream) – zero prior coding or tech experience needed	Tools Access: All tools provided — free tier + educator accounts arranged for students
Instructor: 8+ years AI / ML industry experience, active practitioner	Guest Sessions: Working AI professionals from startups and product companies
Mock Interviews: Minimum 2 rounds, video-recorded + panel feedback (Week 12)	Placement Support: Continuous until offer letter signed — own company network

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