

AI TOOLS MASTERCLASS SYLLABUS

Module 1: Introduction to Artificial Intelligence

Topics

- What is Artificial Intelligence?
- Evolution of AI
- Machine Learning vs Deep Learning
- Generative AI
- Large Language Models (LLMs)
- AI Applications
- AI Terminology
- AI Ethics
- Responsible AI

Module 2: ChatGPT Mastery

Topics

- ChatGPT Interface
- Prompt Writing Basics
- Advanced Prompting
- Content Creation
- Email Writing
- Resume Building
- Report Writing
- Coding Assistance
- Document Analysis
- Study Assistance

Module 3: Google Gemini & Claude AI

Topics

- Google Gemini
- Claude AI
- Comparing AI Models
- Long Document Analysis
- Research Assistance
- Brainstorming
- Business Planning
- Academic Applications

Module 4: AI Search & Research Tools

Topics

- Perplexity AI
- AI Search Techniques
- Fact Checking
- Literature Review
- Citation Assistance
- AI Research Workflow
- Knowledge Management

Module 5: AI Image Generation

Topics

- Midjourney
- Microsoft Designer
- Adobe Firefly
- Canva AI

- DALL-E
- Leonardo AI
- Image Prompt Writing
- Logo Design
- Poster Design
- Product Mockups

Module 6: AI Video & Audio Tools

Topics

- Runway ML
- Pika
- Synthesia
- HeyGen
- ElevenLabs
- AI Voice Cloning
- AI Dubbing
- Subtitle Generation
- AI Video Editing

Module 7: AI for Office Productivity

Topics

- Microsoft Copilot
- Google Workspace AI
- AI in Word
- AI in Excel
- AI in PowerPoint
- AI Email Assistant
- Meeting Notes
- Document Summarization
- Calendar Assistance

Module 8: AI for Programming

Topics

- GitHub Copilot
- Cursor AI
- ChatGPT Coding
- Claude for Programming
- Code Debugging
- API Generation
- Documentation
- SQL Assistance
- Python Assistance
- Laravel Assistance

Module 9: AI for Marketing & Business

Topics

- SEO Content
- Blog Writing
- Social Media Posts
- Ad Copy
- Product Descriptions
- Email Campaigns
- Marketing Automation
- Customer Support
- Business Strategy

Module 10: AI Automation

Topics

- Workflow Automation
- AI Task Automation
- Zapier Basics

- Make.com Basics
- n8n Introduction
- AI Agents
- No-Code AI
- Productivity Workflows

Module 11: AI Ethics, Privacy & Future

Topics

- AI Privacy
- Data Protection
- Copyright
- AI Bias
- Responsible AI
- AI Regulations
- AI Careers
- Future Trends

Module 12: Capstone Projects

Projects

- AI Resume Builder
- AI Blog Generator
- AI Marketing Campaign
- AI Course Creator
- AI Website Content Generator
- AI Research Assistant
- AI Presentation Builder