

CURRICULUM - AI FOR ALL (VOC164)

Overview of AI - 1	What's in it - AI for You!
	What is Intelligence?
	What is Artificial Intelligence?
	Types of AI
	Automation vs AI
	Recap
	Assessment and Exercises
Overview of AI - 2	History of AI Part 1
	History of AI Part2
	History of AI Part3
	Famous companies and personalities
	Intro to Machine Learning, Deep Learning and Neural Networks
	From AI to GenAI
	Major uses of today's AI
	Recap
	Assessment and Exercises
Machine Learning	Basics of Machine Learning
	What is Data and Types of Data
	Types of Machine Learning (Supervised, Unsupervised, Reinforced)
	What is Algo and Types of Algorithms
	Uses Cases for Science, Commerce and Arts
	Recap
	Assessment and Exercises
Neural Networks and Deep Learning	Shortcomings of Machine Learning (Deep Learning and Neural Networks)
	What is a Neural Network?
	How Neural Networks Work
	Deep Learning: The Power of Multiple Layers
	How does AI work?
	Common Examples
	Recap
	Assessment and Exercises

NLP	Why is Human Language Hard for Machines? (Introducing NLP)
	How does NLP work - 1
	How does NLP work - 2
	Introduction to Large Language Models (LLMs) (Introduce ChatGPT)
	How does LLM work
	Practical Applications
	Recap
	Assessment and Exercises
Intro to Generative AI	What is Generative AI?
	How is GenAI different from Traditional AI?
	How Are Generative AI Tools Developed?
	What can we create with GenAI? (text, images, videos, apps and games)
	Recap
	Assessment and Exercises
Preparing for launch	Internet basics: web browsers and search engines
	How to make an account
	Recap
	Practice
Let us Go to ChatGPT	Navigating to ChatGPT website- for desktops
	Accessing the ChatGPT app on mobile devices
	Creating an account on ChatGPT website
	Logging into ChatGPT
	Introducing the ChatGPT window
	Recap
	Practice
Prompting: Not Just Asking a Question	What is a Prompt?
	Interacting with AI: Prompting in general
	What is a good prompt?
	Prompting basics: Clear role definition
	Specify purpose
	Initialize a context

	Specify the format and length
	Set the tone
	Refine your context progressively ; Demo
	Rate the prompts: Examples
	Practice: Prompts in ChatGPT
	Recap
	Assessment
Using ChatGPT	Uploading files to ChatGPT
	Using voice commands
	Multilingual inputs
	Image generation in ChatGPT
	Logo and brand guidelines generation
	Charts & Illustrations
	Deep Research
	Recap
	Assessment
Exploring Gemini	Navigating to Gemini website- for desktops
	Accessing the Gemini app on mobile devices
	Logging into Gemini
	Introducing the Gemini window
	Text Generation on Gemini
	Image generation in Gemini
	Video Generation in Gemini
	Practice: Text Generation in Gemini 1
	Practice: Text Generation in Gemini 2
	Practice: Image generation in Gemini
	Practice: Video generation in Gemini
	Recap
	Assessment and Exercises
Exploring Meta AI	Navigating to MetaAI website for desktop
	Navigating to MetaAI website for mobile (Whatsapp)
	Text Generation in Meta AI - examples
	Image generation in MetaAI - examples
	Using Canvas and Imagine in Meta AI
	Practice: Text Generation in MetaAI

	Practice: Image generation in MetaAI
	Practice: Canvas generation in MetaAI
	Assessment and Exercises
DeepSeek	Navigating to DeepSeek website for desktop
	Navigating to DeepSeek website for mobile
	Text Generation in DeepSeek - examples
	Image Generation in DeepSeek - examples
	Practice: Text Generation in DeepSeek
	Practice: Image generation in DeepSeek
	Recap
	Assessment and Exercises
Comparison	Comparing texts from ChatGPT vs DeepSeek
	Comparing images generated from ChatGPT vs DeepSeek
	Recap
	Assessment and Exercises
Leonardo	What is Leonardo
	Models and Style
	Writing prompt: 1
	Writing prompt: 2
	Writing prompt: 3
	Writing prompt: 4
	Editing in Canvas (Demo)
	Practice: Image generation practice in Leonardo
	Recap
	Assessment and Exercises
Video Generation using LTX Studio	Introduction to video generation
	Login to LTX
	Using LTX
	About videos from Text
	Start and End Frames
	Create image in LTX
	Use images in video creation
	Text to video creation
	Image to video creation

	Recap
	Assessment and Exercises
Ethics	Bias in Models
	Emotional manipulation
	Privacy and IP
	Misinformation and hallucination
	AI and employment
	AI crimes
	Recap
	Assessment and Exercises