Module 1-Introduction to AI and AI on Azure

Topics:

* + Introduction to AI
  + <https://learn.microsoft.com/en-us/training/modules/get-started-ai-fundamentals/1-introduction>
  + <https://learn.microsoft.com/en-in/training/modules/prepare-to-develop-ai-solutions-azure/>
  + AI on Azure
  + <https://learn.microsoft.com/en-in/training/modules/create-manage-ai-services/>
  + <https://learn.microsoft.com/en-in/training/modules/secure-ai-services/>
  + Get started with Azure AI services
  + <https://learn.microsoft.com/en-in/training/modules/monitor-ai-services/>
  + Using Azure AI Services for enterprise applications
  + <https://learn.microsoft.com/en-in/training/modules/investigate-container-for-use-with-ai-services/>

Lab:

<https://microsoftlearning.github.io/mslearn-ai-services/>

Explore Azure AI Services

<https://microsoftlearning.github.io/mslearn-ai-fundamentals/Instructions/Labs/02-content-safety.html>

Module 2- Develop Computer Vision Solutions with AAI Vision

Topics

* + Analyze and manipulate images
  + <https://learn.microsoft.com/en-in/training/modules/analyze-images/>
  + Create a custom vision model
  + <https://learn.microsoft.com/en-in/training/modules/custom-model-ai-vision-image-classification/>
  + Detect and recognize faces
  + <https://learn.microsoft.com/en-in/training/modules/detect-analyze-recognize-faces/>
  + <https://learn.microsoft.com/en-in/training/modules/read-text-images-documents-with-computer-vision-service/>
  + Analyze video
  + <https://learn.microsoft.com/en-in/training/modules/analyze-video/>

Lab:

<https://microsoftlearning.github.io/mslearn-ai-vision/>

Module 3- Develop Natural Language Processing Solutions

Topics:

* + Analyzing and translating text
  + <https://learn.microsoft.com/en-in/training/modules/analyze-text-ai-language/>
  + Build a question answering solution
  + <https://learn.microsoft.com/en-in/training/modules/create-question-answer-solution-ai-language/>
  + Build a conversational language understanding app
  + <https://learn.microsoft.com/en-in/training/modules/create-question-answer-solution-ai-language/>
  + Custom classification and named entity extraction
  + <https://learn.microsoft.com/en-in/training/modules/custom-text-classification/>
  + <https://learn.microsoft.com/en-in/training/modules/custom-name-entity-recognition/>
  + <https://learn.microsoft.com/en-in/training/modules/translate-text-with-translator-service/>
  + Speech recognition, synthesis, and translation
  + <https://learn.microsoft.com/en-in/training/modules/create-speech-enabled-apps/>
  + <https://learn.microsoft.com/en-in/training/modules/translate-speech-speech-service/>

Lab:

<https://microsoftlearning.github.io/mslearn-ai-language/>

Module 4- Develop Generative AI Solutions with Azure OpenAI Service

Topics:

* + Get started with Azure OpenAI Service
  + <https://learn.microsoft.com/en-in/training/modules/get-started-openai/>
  + <https://learn.microsoft.com/en-in/training/modules/build-language-solution-azure-openai/>
  + Develop apps with Azure OpenAI Service
  + <https://learn.microsoft.com/en-in/training/modules/apply-prompt-engineering-azure-openai/>
  + Apply prompt engineering with Azure OpenAI Service
  + <https://learn.microsoft.com/en-in/training/modules/generate-code-azure-openai/>
  + <https://learn.microsoft.com/en-in/training/modules/generate-images-azure-openai/>
  + Use your own data with Azure OpenAI Service
  + <https://learn.microsoft.com/en-in/training/modules/use-own-data-azure-openai/>
  + <https://learn.microsoft.com/en-in/training/modules/responsible-generative-ai/>

Lab:

<https://microsoftlearning.github.io/mslearn-openai/>

Module 5- Creating a Knowledge Mining Solution

Topics:

* + Implementing an Intelligent Search Solution
  + <https://learn.microsoft.com/en-in/training/modules/create-azure-cognitive-search-solution/>
  + <https://learn.microsoft.com/en-in/training/modules/create-enrichment-pipeline-azure-cognitive-search/>
  + Developing Custom Skills for an Enrichment Pipeline
  + <https://learn.microsoft.com/en-in/training/modules/create-knowledge-store-azure-cognitive-search/>
  + <https://learn.microsoft.com/en-in/training/modules/enrich-search-index-using-language-studio/>
  + <https://learn.microsoft.com/en-in/training/modules/implement-advanced-search-features-azure-cognitive-search/>
  + Creating a Knowledge Store
  + <https://learn.microsoft.com/en-in/training/modules/build-azure-machine-learn-custom-skill-for-azure-cognitive-search/>
  + <https://learn.microsoft.com/en-in/training/modules/search-data-outside-azure-platform-cognitive-search/>
  + <https://learn.microsoft.com/en-in/training/modules/maintain-azure-cognitive-search-solution/>
  + <https://learn.microsoft.com/en-in/training/modules/use-semantic-search/>
  + <https://learn.microsoft.com/en-in/training/modules/improve-search-results-vector-search/>

Lab:

<https://microsoftlearning.github.io/mslearn-knowledge-mining/>

Module 6- Develop Solutions with Azure AI Document Intelligence

Topics:

* + Use prebuilt Document Intelligence models
  + <https://learn.microsoft.com/en-in/training/modules/plan-form-recognizer-solution/>
  + <https://learn.microsoft.com/en-in/training/modules/use-prebuilt-form-recognizer-models/>
  + <https://learn.microsoft.com/en-in/training/modules/work-form-recognizer/>
  + Train a custom Document Intelligence model
  + <https://learn.microsoft.com/en-in/training/modules/create-composed-form-recognizer-model/>
  + <https://learn.microsoft.com/en-in/training/modules/build-form-recognizer-custom-skill-for-azure-cognitive-search/>

Lab:

<https://microsoftlearning.github.io/mslearn-ai-document-intelligence/>