



# Digitising Documents with Azure's Form Recogniser

## – Lesson Plan –

### Lesson 0: Overview

- What is OCR and how is it useful?
- Prerequisite.
- Breakdown of each lesson.
- Learning outcomes of this course.

### Lesson 1: Introduction

- Technology stack used.
- Overview of the solution and each component.
- Demonstration of the OCR solution in action.

### Lesson 2: Setup Cloud Resources

- Create a free Azure account.
- Create a (cloud) storage account and upload our data to blob containers.
- Create an Azure Form Recognizer resource.

### Lesson 3: Create our AI model

- Introduction to Azure's Form Recognizer Studio.
- Creating a dataset.
- Labelling our dataset for training an OCR model to extract the important information in our forms.
- Training an OCR model with Azure's Form Recognizer.
- Testing our new OCR model.
- Getting the connection keys for our new OCR model.

### Lesson 4: The Code

- Exploring the python code in a Colab.
- Setting up the environment.
- Connecting to our Azure storage account and Form Recognizer resource.
- Retrieving our forms from a blob container.
- Passing our forms to the OCR model.
- Extracting the results.
- Saving the results as a blob.

### Lesson 5: Human-In-The-Loop

- What is a Human-In-The-Loop system and why is it important?
- Using Excel as a Human-In-The-Loop interface.
- Confidence Values.
- Conditional Formatting.

### Lesson 6: Deploy as a Function App!

- What are Azure Function Apps?
- Creating a Function App in Visual Studio Code.
- Setting up the environment.
- Testing our Function App.
- Deploying the Function App to a cloud server.
- Monitoring the Function App in Azure portal.
- Estimating the cost.