Section	Practical Activity	Colab File
Part 1 **Introduction to TensorFlow 2.0**		
Section 1 Introduction	Intro	No Colab file
Section 2 TensorFlow 2.0 Basics	Constants, Variables, Tensors, Operations	Colab 2
Part 2 Deep Learning in TensorFlow 2.0		

Deep Learning in TensorFlow 2.0

Section 3 Building an Artificial Neural Network in TensorFlow 2.0	Classification	[Colab 3](#)
Section 4 Building a Convolutional Neural Network in TensorFlow 2.0	Classification	[Colab 4](#)
Section 5 Building a Recurrent Neural Network in TensorFlow 2.0	Natural Language Processing	[Colab 5](#)
Section 6 Transfer Learning and Fine Tuning in TensorFlow 2.0	Transfer Learning	[Colab 6](#)

Part 3

Deep Reinforcement Learning in TensorFlow 2.0

Section 7	No practical activity	No Colab file
Deep Reinforcement Learning Theory		

Section 8	Deep Reinforcement Learning for Stock Market Trading	[Colab 8](#)
Deep Reinforcement Learning in TensorFlow 2.0		

Part 4

Creating Machine Learning pipelines with TensorFlow Extended (TFX)

Section 9 Data Validation with TensorFlow Data Validation (TFDV)	Data Validation	Colab 9
Section 10 Data Preprocessing with TensorFlow Transform (TFT)	Data Preprocessing	Colab 10

Part 5

Putting a TensorFlow 2.0 model into Production

Section 11 Creating an API with Flask and TensorFlow 2.0	API Creation	No Colab file, classic .py file instead

Section 12 Serving a TensorFlow model with the RESTful API (TensorFlow Serving)	TensorFlow Serving	[Colab 12](#)
Section 13 Preparing a TensorFlow model for Android/iOS devices (TensorFlow Lite)	TensorFlow Lite	[Colab 13](#)
Section 14 Distributed Training of TensorFlow 2.0 models	Distributed Training	[Colab 14](#)