

# CSX4208 / ITX 4208 Deep Learning

Semester 1/2024

## Worksheet#7

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### Instructions:

Read the following article:

- How to Use the Keras Functional API for Deep Learning by follow the link, <https://machinelearningmastery.com/keras-functional-api-deep-learning/>

and complete these tasks:

- Make sure that you can use Keras Functional API when it is needed.
- Refer to the article, in the third topic, “Standard Networks Model Example” was represented by Keras Functional API. Construct the equivalent models by using Keras Sequential API

### Note:

- More information over the Functional API can be found in section 7.2 of the main textbook and [https://www.tensorflow.org/guide/keras/functional\\_api](https://www.tensorflow.org/guide/keras/functional_api)
- More information over visualizing a deep learning neural network model in Keras can be found here, <https://machinelearningmastery.com/visualize-deep-learning-neural-network-model-keras/> and <https://keras.io/visualization/>