



Done By: Rawan Al-Qahtani

Instructor: Mejdal Al-Qahtani

T5 Bootcamp

Data scientists

Project Proposal

KERAS UTILITY METHODS FOR STREAMLINING TRAINING OF CNN

- **Question/Problem statement:**

To classify multiple classes of flowers or objects images by CNN

Data Description:

Main data source kaggle.

(<https://www.kaggle.com/alxmamaev/flowers-recognition>)

It's set of 5 folders for each kind of flower

- **Folders:** 5 folders
- **Folders names:** daisy images - dandelion images - rose images - sunflower images - tulip images
- **Data Type:** Images

- **Tools:**

- **Programs:**
We will use Python , anaconda jupyter.
- **Libraries:**
Keras , tensorflow , pandas , matplotlib, sklearn, , numpy,.
- **Functions:**
We will use several functions that we define in the project.
- **Plots:**
We will use one of them (lineplot, Scatter, bar, hits, pie, circle).

- **MVP Goal:**

The goal of this project is to create a trained module to classify images of 5 different types of flowers.