## Project Design Phase - II

## Solution requirements (functional and non-functional)

Date	14 November 2022
Team id	PNT2022TMID13973
Project name	Fertilizer recommendationsystem for disease prediction
Maximum marks	4 marks

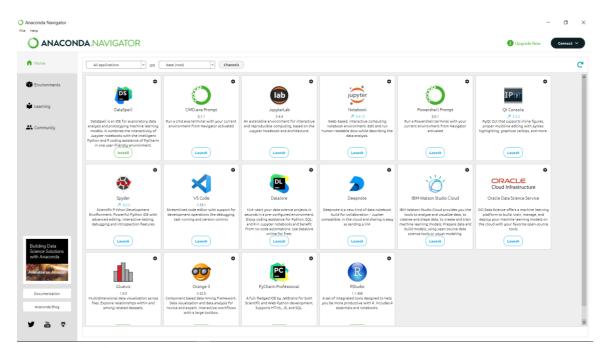


Figure 1Anaconda navigator

```
ERROR: pytest-astropy 0.8.0 requires pytest-cov>=2.0, which is not installed.

ERROR: pytest-astropy 0.8.0 requires pytest-filter-subpackage>=0.1, which is not installed.

Installing collected packages: tensorflow-estimator, numpy, flatbuffers, protobuf, astunparse, keras, gast, absl-py, ter mcolor, tensorflow-io-gcs-filesystem, opt-einsum, keras-preprocessing, grpcio, libclang, google-pasta, tensorboard-plugi n-wit, typing-extensions, importlib-metadata, markdown, oauthlib, requests-oauthlib, cachetools, pyasn1, pyasn1-modules, rsa, google-auth, google-auth-oauthlib, tensorboard-data-server, MarkupSafe, werkzeug, tensorboard, tensorflow Attempting uninstall: numpy

Found existing installation: numpy 1.18.1

Uninstalling numpy-1.18.1:

Successfully uninstalled numpy-1.18.1

Attempting uninstall: importlib-metadata

Found existing installation: importlib-metadata 1.5.0

Uninstalling importlib-metadata-1.5.0

Attempting uninstallal MarkupSafe 1.1.1

Uninstalling NarkupSafe-1.1.1:

Successfully uninstalled MarkupSafe 1.1.1

Attempting uninstall: werkzeug

Found existing installation: Werkzeug 1.0.0

Uninstalling Werkzeug-1.0.0:

Successfully uninstalled Werkzeug-1.0.0

Successfully uninstalled MarkupSafe-2.1.1 absl-py-1.3.0 astunparse-1.6.3 cachetools-5.2.0 flatbuffers-22.10.26 gast-0.4.0 google-auth-2.14.1 google-auth-oauthlib-0.4.6 google-pasta-0.2.0 grpcio-1.50.0 importlib-metadata-5.0.0 keras-2.10.0 keras-preprocessing-1.1.2 libclang-14.0.6 markdown-3.4.1 numpy-1.21.6 oauthlib-3.2.2 opt-einsum-3.3.0 protobuf-3.19.6 pyasn 1-0.4.8 pyasn1-modules-0.2.8 requests-oauthlib-1.3.1 rsa-4.9 tensorboard-2.10.1 tensorboard-data-server-0.6.1 tensorboard-plugin-wit-1.8.1 tensorflow-2.10.1 tensorflow-2.10.0 tensorboard-plugin-wit-1.8.1 tensorflow-2.10.1 tensorboard-2.10.2 termcolor-2.1.0 typ ing-extensions-4.4.0 werkzeug-2.2.2
```

```
(base) C:\Users\Rathan>pip install flask
Requirement already satisfied: flask in c:\anaconda\new folder\lib\site-packages (1.1.1)
Requirement already satisfied: itsdangerous>=0.24 in c:\anaconda\new folder\lib\site-packages (from flask) (1.1.0)
Requirement already satisfied: Werkzeug>=0.15 in c:\anaconda\new folder\lib\site-packages (from flask) (1.0.0)
Requirement already satisfied: Jinja2>=2.10.1 in c:\anaconda\new folder\lib\site-packages (from flask) (2.11.1)
Requirement already satisfied: click>=5.1 in c:\anaconda\new folder\lib\site-packages (from flask) (7.0)
Requirement already satisfied: MarkupSafe>=0.23 in c:\anaconda\new folder\lib\site-packages (from flask) (7.0)
Requirement already satisfied: MarkupSafe>=0.23 in c:\anaconda\new folder\lib\site-packages (from Jinja2>=2.10.1->flask)
(1.1.1)
(base) C:\Users\Rathan>pip install keras
Collecting keras
Using cached keras-2.11.0-py2.py3-none-any.whl (1.7 MB)
Installing collected packages: keras
Successfully installed keras-2.11.0
(base) C:\Users\Rathan>
```

Figure 3 keras and Flask