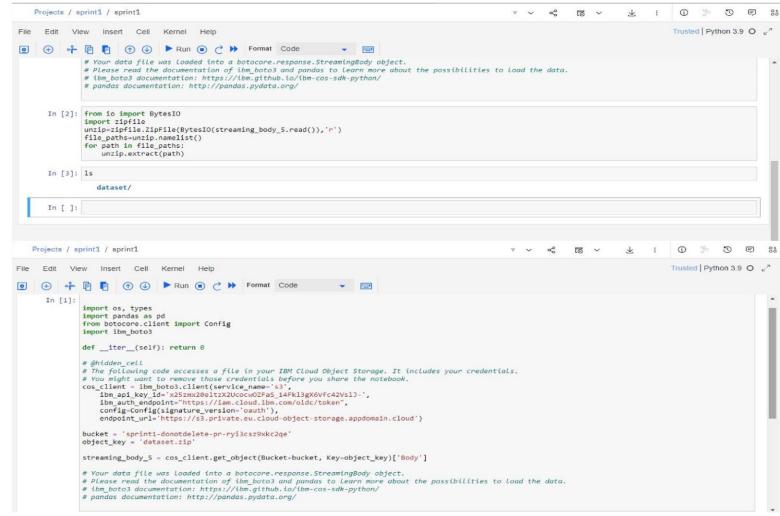
Project Development Phase Sprint

- 2

Date	5 November 2022
Team ID	PNT2022TMID03631
Project Name	A Gesture - Based Tool for Sterile Browsing of Radiology Images
Marks	4 Marks



IBM Watson Studio:

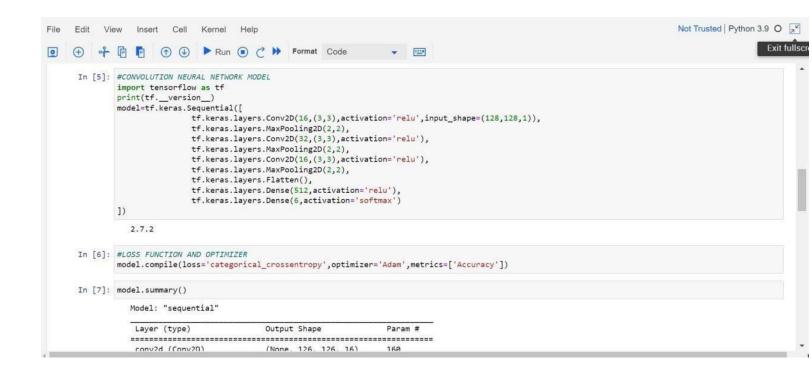
Sprint 1:

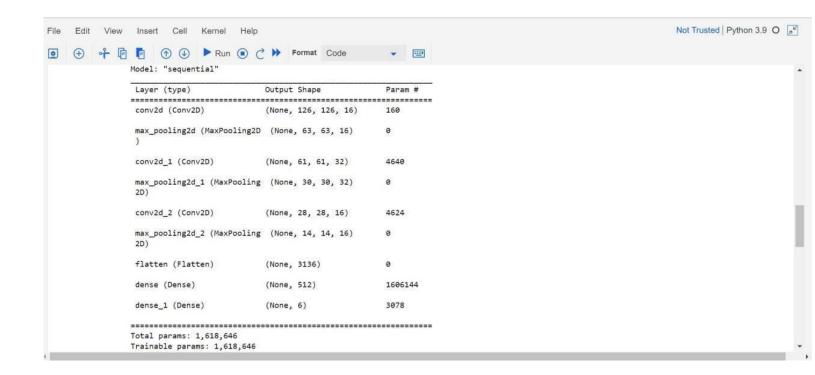
Sprint 2:

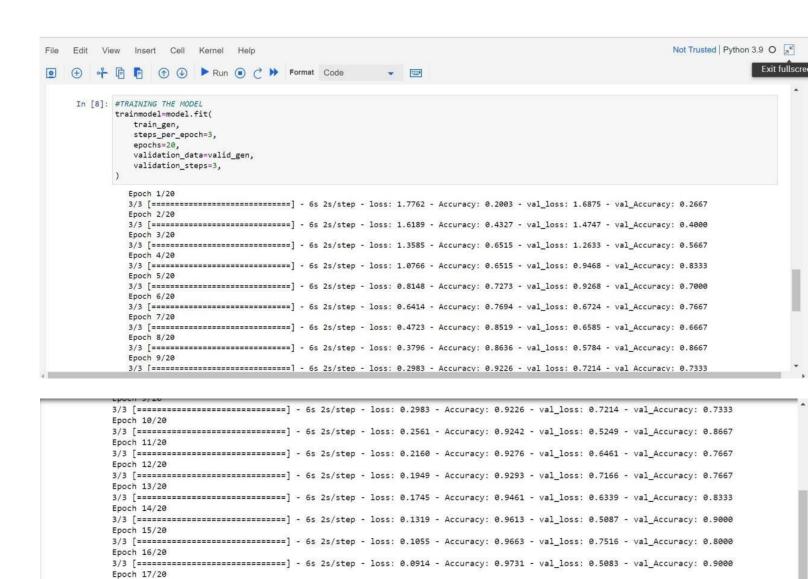
target_size=(128,128),
batch_size=10,
color_mode='grayscale',
class_mode='categorical'

Found 30 images belonging to 6 classes.

```
4 : 0 3 5 5 8
   Projects / A Gesture based tool for Sterile ... / handgesture
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     In [3]: #TRAIN DATA PREPROCESSING
              from tensorflow.keras.preprocessing.image import ImageDataGenerator
              train_datagen=ImageDataGenerator(rescale=1./255,shear_range=0.25,zoom_range=0.2,horizontal_flip=True)
              train_datagen=ImageDataGenerator(rescale=1./255)
              train_gen=train_datagen.flow_from_directory(
                  'dataset/train'
                 target size=(128,128),
                 batch_size=198,
                 color_mode='grayscale',
class_mode='categorical'
                Found 594 images belonging to 6 classes.
      In [4]: #VALIDATION DATA PREPROCESSING
              from tensorflow.keras.preprocessing.image import ImageDataGenerator
              valid_datagen=ImageDataGenerator(rescale=1./255)
              valid_gen=valid_datagen.flow_from_directory(
                  'dataset/test'
                 target_size=(128,128),
                 batch_size=10,
                 color mode='gravscale'
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   Edit View Insert Cell Kernel Help
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    In [3]: #TRAIN DATA PREPROCESSING
            from tensorflow.keras.preprocessing.image import ImageDataGenerator
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            valid_datagen=ImageDataGenerator(rescale=1./255)
            valid_gen=valid_datagen.flow_from_directory(
                'dataset/test'
```







3/3 [============] - 6s 2s/step - loss: 0.0810 - Accuracy: 0.9764 - val loss: 0.7712 - val Accuracy: 0.8333

3/3 [==========] - 6s 2s/step - loss: 0.0508 - Accuracy: 0.9899 - val_loss: 0.5598 - val_Accuracy: 0.9000

Epoch 18/20