- 1 "C:\Program Files\Python37\python.exe" "C:/Users/
 JDEAGAN/OneDrive Environmental Protection Agency (
 EPA)/Profile/Desktop/Projects/AI/ArtificialIntel/
 BuildingIdentifier/ImageAnnotation/KerasTunerDeagan.
 py"
- 2 2021-10-08 14:10:58.369419: W tensorflow/
 stream_executor/platform/default/dso_loader.cc:64]
 Could not load dynamic library 'cudart64_110.dll';
 dlerror: cudart64_110.dll not found
- 3 2021-10-08 14:10:58.369864: I tensorflow/ stream_executor/cuda/cudart_stub.cc:29] Ignore above cudart dlerror if you do not have a GPU set up on your machine.
- 5 2.6.0
- 6 Found 7811 files belonging to 6 classes.
- 7 Using 6249 files for training.
- 8 2021-10-08 14:11:15.668723: W tensorflow/ stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'nvcuda.dll'; dlerror : nvcuda.dll not found
- 9 2021-10-08 14:11:15.669138: W tensorflow/ stream_executor/cuda/cuda_driver.cc:269] failed call to cuInit: UNKNOWN ERROR (303)
- 10 2021-10-08 14:11:15.686151: I tensorflow/ stream_executor/cuda/cuda_diagnostics.cc:169] retrieving CUDA diagnostic information for host: D26265VWTB0E
- 11 2021-10-08 14:11:15.686757: I tensorflow/ stream_executor/cuda/cuda_diagnostics.cc:176] hostname: D26265VWTB0E
- 12 2021-10-08 14:11:15.687774: I tensorflow/core/platform/cpu_feature_guard.cc:142] This TensorFlow binary is optimized with oneAPI Deep Neural Network Library (oneDNN) to use the following CPU instructions in performance-critical operations: AVX AVX2

14 15 16 17	To enable them in other operations, rebuild TensorFlow with the appropriate compiler flags. Found 7811 files belonging to 6 classes. Using 1562 files for validation. Found 864 files belonging to 6 classes. Model: "sequential"	
	Layer (type) Param #	Output Shape
	rescaling (Rescaling)	
22) 0	
	random_flip (RandomFlip)) 0	
25	random_rotation (RandomRotat) 0	
	conv2d (Conv2D)) 1792	(None, 254, 254, 64
29	max_pooling2d (MaxPooling2D)) 0	
31	conv2d_1 (Conv2D)) 73856	(None, 125, 125, 128
33		
		(None, 60, 60, 256
	0011V2U_2 (0011V2D)	(110110, 00, 00, 200

```
295168
35 )
36 __
37 max_pooling2d_2 (MaxPooling2 (None, 30, 30, 256
38 _____
                    (None, 230400
39 flatten (Flatten)
40 _____
41 dense (Dense)
29491328
                           (None, 128
42 _____
43 dense_1 (Dense)
                          (None, 6
                 774
=========
45 Total params: 29,862,918
46 Trainable params: 29,862,918
47 Non-trainable params: 0
48 _____
49 Epoch 1/20
50 C:\Users\JDEAGAN\AppData\Roaming\Python\Python37\site
  -packages\keras\backend.py:4907: UserWarning: "`
  sparse_categorical_crossentropy` received
  from_logits=True`, but the `output` argument was
  produced by a sigmoid or softmax activation and thus
  does not represent logits. Was this intended?"
    '"`sparse_categorical_crossentropy` received `
51
  from_logits=True`, but '
52 2021-10-08 14:11:18.336298: I tensorflow/compiler/
  mlir/mlir_graph_optimization_pass.cc:185] None of the
   MLIR Optimization Passes are enabled (registered 2)
    2/196 [.....] - ETA: 15:08
53
   - loss: 6.6531 - accuracy: 0.28122021-10-08 14:11:29
  .575603: W tensorflow/core/lib/png/png_io.cc:88] PNG
  warning: iCCP: known incorrect sRGB profile
    4/196 [.....] - ETA: 14:18
54
```

```
- loss: 4.2513 - accuracy: 0.36722021-10-08 14:11:38
  .418576: W tensorflow/core/lib/png/png_io.cc:88] PNG
  warning: iCCP: known incorrect sRGB profile
55
    5/196 [...... - ETA: 13:57
   - loss: 3.7081 - accuracy: 0.34382021-10-08 14:11:42
  .583104: W tensorflow/core/lib/png/png_io.cc:88] PNG
  warning: iCCP: known incorrect sRGB profile
   13/196 [>.....] - ETA: 12:55
56
   - loss: 2.3037 - accuracy: 0.37742021-10-08 14:12:15
  .905256: W tensorflow/core/lib/png/png_io.cc:88] PNG
  warning: iCCP: known incorrect sRGB profile
   46/196 [=====>....] - ETA: 10:31
57
   - loss: 1.6479 - accuracy: 0.42802021-10-08 14:14:34
  .311610: W tensorflow/core/lib/png/png_io.cc:88] PNG
  warning: iCCP: known incorrect sRGB profile
  47/196 [=====>.....] - ETA: 10:26
58
   - loss: 1.6466 - accuracy: 0.42752021-10-08 14:14:38
   .411602: W tensorflow/core/lib/png/png_io.cc:88] PNG
  warning: iCCP: known incorrect sRGB profile
59
  56/196 [======>.....] - ETA: 9:47
   - loss: 1.5924 - accuracy: 0.43582021-10-08 14:15:15
   .730023: W tensorflow/core/lib/png/png_io.cc:88] PNG
  warning: iCCP: known incorrect sRGB profile
60 59/196 [=======>....] - ETA: 9:34
   - loss: 1.5790 - accuracy: 0.43432021-10-08 14:15:28
   .094588: W tensorflow/core/lib/png/png_io.cc:88] PNG
  warning: iCCP: known incorrect sRGB profile
61 60/196 [=======>.....] - ETA: 9:30
   - loss: 1.5764 - accuracy: 0.43542021-10-08 14:15:32
   .324037: W tensorflow/core/lib/png/png_io.cc:88] PNG
  warning: iCCP: known incorrect sRGB profile
62
  65/196 [=======>.....] - ETA: 9:08
   - loss: 1.5579 - accuracy: 0.43412021-10-08 14:15:52
   .831642: W tensorflow/core/lib/png/png_io.cc:88] PNG
  warning: iCCP: known incorrect sRGB profile
   73/196 [========>....] - ETA: 8:34
63
   - loss: 1.5362 - accuracy: 0.43412021-10-08 14:16:26
   .216831: W tensorflow/core/lib/png/png_io.cc:88] PNG
  warning: iCCP: known incorrect sRGB profile
  76/196 [========>.....] - ETA: 8:22
64
   - loss: 1.5278 - accuracy: 0.43502021-10-08 14:16:38
```

```
64 .862191: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
   82/196 [========>....] - ETA: 7:56
   - loss: 1.5153 - accuracy: 0.43452021-10-08 14:17:
  03.629299: W tensorflow/core/lib/png/png_io.cc:88]
  PNG warning: iCCP: known incorrect sRGB profile
   87/196 [========>.....] - ETA: 7:36
   - loss: 1.5064 - accuracy: 0.43182021-10-08 14:17:
  25.185911: W tensorflow/core/lib/png/png_io.cc:88]
  PNG warning: iCCP: known incorrect sRGB profile
67 92/196 [=========>....] - ETA: 7:17
   - loss: 1.4976 - accuracy: 0.42972021-10-08 14:17:
  47.654825: W tensorflow/core/lib/png/png_io.cc:88]
  PNG warning: iCCP: known incorrect sRGB profile
68 96/196 [=========>....] - ETA: 7:02
   - loss: 1.4929 - accuracy: 0.43102021-10-08 14:18:
  06.415150: W tensorflow/core/lib/png/png_io.cc:88]
  PNG warning: iCCP: known incorrect sRGB profile
69 109/196 [==========>.....] - ETA: 6:09
   - loss: 1.4764 - accuracy: 0.44012021-10-08 14:19:
  03.753661: W tensorflow/core/lib/png/png io.cc:881
  PNG warning: iCCP: known incorrect sRGB profile
70 118/196 [===========>....] - ETA: 5:31
   - loss: 1.4694 - accuracy: 0.43912021-10-08 14:19:
  42.594135: W tensorflow/core/lib/png/png_io.cc:88]
  PNG warning: iCCP: known incorrect sRGB profile
71 120/196 [===========>....] - ETA: 5:23
   - loss: 1.4656 - accuracy: 0.44062021-10-08 14:19:
  50.978444: W tensorflow/core/lib/png/png_io.cc:88]
  PNG warning: iCCP: known incorrect sRGB profile
72 122/196 [==========>....] - ETA: 5:14
   - loss: 1.4635 - accuracy: 0.44112021-10-08 14:19:
  59.861765: W tensorflow/core/lib/png/png_io.cc:88]
  PNG warning: iCCP: known incorrect sRGB profile
73 2021-10-08 14:20:00.438905: W tensorflow/core/lib/
  png/png_io.cc:88] PNG warning: iCCP: known incorrect
   sRGB profile
74 127/196 [===========>....] - ETA: 4:53
   - loss: 1.4554 - accuracy: 0.44342021-10-08 14:20:
  20.530719: W tensorflow/core/lib/png/png_io.cc:88]
  PNG warning: iCCP: known incorrect sRGB profile
```

```
75 130/196 [============>....] - ETA: 4:40
   - loss: 1.4581 - accuracy: 0.44302021-10-08 14:20:
  33.294704: W tensorflow/core/lib/png/png_io.cc:88]
  PNG warning: iCCP: known incorrect sRGB profile
76 131/196 [=============>....] - ETA: 4:36
   - loss: 1.4552 - accuracy: 0.44442021-10-08 14:20:
  37.652027: W tensorflow/core/lib/png/png_io.cc:88]
  PNG warning: iCCP: known incorrect sRGB profile
77 134/196 [============>....] - ETA: 4:23
   - loss: 1.4533 - accuracy: 0.44472021-10-08 14:20:
  49.872095: W tensorflow/core/lib/png/png_io.cc:88]
  PNG warning: iCCP: known incorrect sRGB profile
78 136/196 [=============>....] - ETA: 4:14
   - loss: 1.4508 - accuracy: 0.44492021-10-08 14:20:
  57.961557: W tensorflow/core/lib/png/png_io.cc:88]
  PNG warning: iCCP: known incorrect sRGB profile
79 2021-10-08 14:20:57.973035: W tensorflow/core/lib/
  pnq/pnq_io.cc:88] PNG warning: iCCP: known incorrect
   sRGB profile
80 155/196 [==============>.....] - ETA: 2:53
   - loss: 1.4366 - accuracy: 0.44782021-10-08 14:22:
  18.013769: W tensorflow/core/lib/png/png_io.cc:88]
  PNG warning: iCCP: known incorrect sRGB profile
- loss: 1.4318 - accuracy: 0.44632021-10-08 14:23:
  04.764442: W tensorflow/core/lib/png/png_io.cc:88]
  PNG warning: iCCP: known incorrect sRGB profile
- loss: 1.4265 - accuracy: 0.44882021-10-08 14:23:
  29.884138: W tensorflow/core/lib/png/png io.cc:881
  PNG warning: iCCP: known incorrect sRGB profile
- loss: 1.4244 - accuracy: 0.44922021-10-08 14:23:
  38.050027: W tensorflow/core/lib/png/png_io.cc:88]
  PNG warning: iCCP: known incorrect sRGB profile
- loss: 1.4148 - accuracy: 0.44792021-10-08 14:25:
  09.746305: W tensorflow/core/lib/png/png_io.cc:88]
  PNG warning: iCCP: known incorrect sRGB profile
85 2021-10-08 14:25:10.040762: W tensorflow/core/lib/
  png/png_io.cc:88] PNG warning: iCCP: known incorrect
```

```
85
    sRGB profile
86 2021-10-08 14:25:12.365874: W tensorflow/core/lib/
   png/png_io.cc:88] PNG warning: iCCP: known incorrect
    sRGB profile
87 2021-10-08 14:25:39.917979: W tensorflow/core/lib/
   pnq/pnq_io.cc:88] PNG warning: iCCP: known incorrect
    sRGB profile
88 2021-10-08 14:25:40.964846: W tensorflow/core/lib/
   png/png_io.cc:88] PNG warning: iCCP: known incorrect
    sRGB profile
89 2021-10-08 14:25:54.574791: W tensorflow/core/lib/
   pnq/pnq_io.cc:88] PNG warning: iCCP: known incorrect
    sRGB profile
90 196/196 [============= ] - 893s 5s/
   step - loss: 1.4148 - accuracy: 0.4479 - val_loss: 1
   .2917 - val_accuracy: 0.4795
91 Epoch 2/20
92 196/196 [============= ] - 858s 4s/
   step - loss: 1.3267 - accuracy: 0.4534 - val_loss: 1
   .3609 - val_accuracy: 0.3355
93 Epoch 3/20
94 196/196 [============= ] - 844s 4s/
   step - loss: 1.3138 - accuracy: 0.4572 - val_loss: 1
   .3047 - val_accuracy: 0.4814
95 Epoch 4/20
96 196/196 [============= ] - 843s 4s/
   step - loss: 1.3008 - accuracy: 0.4708 - val_loss: 1
   .2964 - val_accuracy: 0.4565
97 Epoch 5/20
98 196/196 [============= ] - 858s 4s/
   step - loss: 1.2956 - accuracy: 0.4698 - val_loss: 1
   .2594 - val_accuracy: 0.5013
99 Epoch 6/20
step - loss: 1.2859 - accuracy: 0.4729 - val_loss: 1
   .2835 - val_accuracy: 0.4827
101 Epoch 7/20
step - loss: 1.2795 - accuracy: 0.4738 - val_loss: 1
   .2880 - val_accuracy: 0.4513
103 Epoch 8/20
```

```
104 196/196 [============= ] - 903s 5s/
  step - loss: 1.2718 - accuracy: 0.4766 - val_loss: 1
  .2627 - val_accuracy: 0.4885
105 Epoch 9/20
step - loss: 1.2656 - accuracy: 0.4828 - val_loss: 1
  .2464 - val_accuracy: 0.5000
107 Epoch 10/20
108 196/196 [============== ] - 900s 5s/
  step - loss: 1.2628 - accuracy: 0.4897 - val_loss: 1
  .2275 - val_accuracy: 0.5160
109 Epoch 11/20
step - loss: 1.2630 - accuracy: 0.4887 - val_loss: 1
  .2819 - val_accuracy: 0.4891
111 Epoch 12/20
step - loss: 1.2590 - accuracy: 0.4903 - val_loss: 1
  .2238 - val_accuracy: 0.5064
113 Epoch 13/20
step - loss: 1.2488 - accuracy: 0.4951 - val_loss: 1
  .2190 - val accuracy: 0.5141
115 Epoch 14/20
116 196/196 [============= ] - 871s 4s/
  step - loss: 1.2443 - accuracy: 0.4945 - val_loss: 1
  .2135 - val_accuracy: 0.5173
117 Epoch 15/20
step - loss: 1.2394 - accuracy: 0.4964 - val_loss: 1
  .2056 - val_accuracy: 0.5230
119 Epoch 16/20
step - loss: 1.2364 - accuracy: 0.4964 - val_loss: 1
  .2078 - val_accuracy: 0.5211
121 Epoch 17/20
step - loss: 1.2355 - accuracy: 0.5014 - val_loss: 1
  .2204 - val_accuracy: 0.5198
123 Epoch 18/20
```

```
124 step - loss: 1.2318 - accuracy: 0.5007 - val_loss: 1
   .2130 - val_accuracy: 0.5128
125 Epoch 19/20
step - loss: 1.2259 - accuracy: 0.5060 - val_loss: 1
   .2129 - val_accuracy: 0.5243
127 Epoch 20/20
step - loss: 1.2301 - accuracy: 0.5025 - val_loss: 1
   .2071 - val_accuracy: 0.5314
129 2021-10-08 19:07:57.822901: W tensorflow/core/lib/
   pnq/pnq_io.cc:88] PNG warning: iCCP: known incorrect
    sRGB profile
130 4/27 [===>....] - ETA: 32s -
   loss: 1.2011 - accuracy: 0.55472021-10-08 19:07:59.
   816350: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
131 8/27 [======>.....] - ETA: 26s -
   loss: 1.2207 - accuracy: 0.52732021-10-08 19:08:09.
   405166: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
132 2021-10-08 19:08:09.474948: W tensorflow/core/lib/
   png/png_io.cc:88] PNG warning: iCCP: known incorrect
    sRGB profile
133 2021-10-08 19:08:09.539538: W tensorflow/core/lib/
   png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
   Profile': 'desc': ICC profile tag start not a
   multiple of 4
134 2021-10-08 19:08:09.540004: W tensorflow/core/lib/
   pnq/pnq_io.cc:88] PNG warning: iCCP: profile 'ICC
   Profile': 'wtpt': ICC profile tag start not a
   multiple of 4
135 2021-10-08 19:08:09.540413: W tensorflow/core/lib/
   png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
   Profile': 'bkpt': ICC profile tag start not a
   multiple of 4
136 2021-10-08 19:08:09.540792: W tensorflow/core/lib/
   png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
   Profile': 'rXYZ': ICC profile tag start not a
   multiple of 4
137 2021-10-08 19:08:09.541158: W tensorflow/core/lib/
```

- 137 png/png_io.cc:88] PNG warning: iCCP: profile 'ICC Profile': 'gXYZ': ICC profile tag start not a multiple of 4
- 138 2021-10-08 19:08:09.541529: W tensorflow/core/lib/png/png_io.cc:88] PNG warning: iCCP: profile 'ICC Profile': 'bXYZ': ICC profile tag start not a multiple of 4
- 139 2021-10-08 19:08:09.541905: W tensorflow/core/lib/png/png_io.cc:88] PNG warning: iCCP: profile 'ICC Profile': 'dmnd': ICC profile tag start not a multiple of 4
- 140 2021-10-08 19:08:09.542272: W tensorflow/core/lib/png/png_io.cc:88] PNG warning: iCCP: profile 'ICC Profile': 'dmdd': ICC profile tag start not a multiple of 4
- 141 2021-10-08 19:08:09.542643: W tensorflow/core/lib/png/png_io.cc:88] PNG warning: iCCP: profile 'ICC Profile': 'vued': ICC profile tag start not a multiple of 4
- 142 2021-10-08 19:08:09.543552: W tensorflow/core/lib/png/png_io.cc:88] PNG warning: iCCP: profile 'ICC Profile': 'view': ICC profile tag start not a multiple of 4
- 143 2021-10-08 19:08:09.544010: W tensorflow/core/lib/png/png_io.cc:88] PNG warning: iCCP: profile 'ICC Profile': 'lumi': ICC profile tag start not a multiple of 4
- 144 2021-10-08 19:08:09.544453: W tensorflow/core/lib/png/png_io.cc:88] PNG warning: iCCP: profile 'ICC Profile': 'meas': ICC profile tag start not a multiple of 4
- 145 2021-10-08 19:08:09.544908: W tensorflow/core/lib/png/png_io.cc:88] PNG warning: iCCP: profile 'ICC Profile': 'tech': ICC profile tag start not a multiple of 4
- 146 2021-10-08 19:08:09.545351: W tensorflow/core/lib/png/png_io.cc:88] PNG warning: iCCP: profile 'ICC Profile': 'rTRC': ICC profile tag start not a multiple of 4
- 147 2021-10-08 19:08:09.545803: W tensorflow/core/lib/png/png_io.cc:88] PNG warning: iCCP: profile 'ICC

```
147 Profile': 'gTRC': ICC profile tag start not a
   multiple of 4
148 2021-10-08 19:08:09.546246: W tensorflow/core/lib/
   pnq/pnq_io.cc:88] PNG warning: iCCP: profile 'ICC
   Profile': 'bTRC': ICC profile tag start not a
   multiple of 4
149 15/27 [=========>.....] - ETA: 15s -
   loss: 1.2636 - accuracy: 0.50832021-10-08 19:08:18.
   352843: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
- loss: 1.2663 - accuracy: 0.5185
151 Accuracy: 0.5185185074806213
152 Loss: 1.266266107559204
153 end
154
155 Process finished with exit code 0
156
```