- 1 C:\Users\jdeag\Desktop\project\ArtificialIntel\BuildingIdentifier\venv\
  Scripts\python.exe C:/Users/jdeag/Desktop/project/ArtificialIntel/
  BuildingIdentifier/ImageAnnotation/KerasTunerDeagan.py
- 2 2021-09-22 10:32:34.284750: 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 2021-09-22 10:32:34.285223: 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 2021-09-22 10:32:41.396650: W tensorflow/stream\_executor/platform/default /dso\_loader.cc:64] Could not load dynamic library 'cudart64\_110.dll'; dlerror: cudart64\_110.dll not found
- 9 2021-09-22 10:32:41.397650: W tensorflow/stream\_executor/platform/default /dso\_loader.cc:64] Could not load dynamic library 'cublas64\_11.dll'; dlerror: cublas64\_11.dll not found
- 10 2021-09-22 10:32:41.398637: W tensorflow/stream\_executor/platform/default /dso\_loader.cc:64] Could not load dynamic library 'cublasLt64\_11.dll'; dlerror: cublasLt64\_11.dll not found
- 11 2021-09-22 10:32:41.399604: W tensorflow/stream\_executor/platform/default /dso\_loader.cc:64] Could not load dynamic library 'cufft64\_10.dll'; dlerror: cufft64\_10.dll not found
- 12 2021-09-22 10:32:41.400566: W tensorflow/stream\_executor/platform/default /dso\_loader.cc:64] Could not load dynamic library 'curand64\_10.dll'; dlerror: curand64\_10.dll not found
- 13 2021-09-22 10:32:41.401527: W tensorflow/stream\_executor/platform/default /dso\_loader.cc:64] Could not load dynamic library 'cusolver64\_11.dll'; dlerror: cusolver64\_11.dll not found
- 14 2021-09-22 10:32:41.402444: W tensorflow/stream\_executor/platform/default /dso\_loader.cc:64] Could not load dynamic library 'cusparse64\_11.dll'; dlerror: cusparse64\_11.dll not found
- 15 2021-09-22 10:32:41.403351: W tensorflow/stream\_executor/platform/default /dso\_loader.cc:64] Could not load dynamic library 'cudnn64\_8.dll'; dlerror: cudnn64\_8.dll not found
- 16 2021-09-22 10:32:41.403540: W tensorflow/core/common\_runtime/gpu/gpu\_device.cc:1835] Cannot dlopen some GPU libraries. Please make sure the missing libraries mentioned above are installed properly if you would like to use GPU. Follow the guide at https://www.tensorflow.org/install/gpu for how to download and setup the required libraries for your platform.
- 17 Skipping registering GPU devices...
- 18 2021-09-22 10:32:41.409772: 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
- 19 To enable them in other operations, rebuild TensorFlow with the appropriate compiler flags.
- 20 Found 7811 files belonging to 6 classes.
- 21 Using 1562 files for validation.
- 22 Found 864 files belonging to 6 classes.
- 23 Model: "sequential"

	(erasTunerDeagan				
	Layer (type)	Output	Shape	 Param #	
<ul><li>26</li><li>27</li><li>28</li></ul>	rescaling (Rescaling)	(None,	256, 256, 3)	0	
	random_flip (RandomFlip)	(None,	256, 256, 3)	0	
	random_rotation (RandomRotat			0	
	conv2d (Conv2D)	(None,	254, 254, 64)	1792	
	max_pooling2d (MaxPooling2D)	(None,	127, 127, 64)	0	
	batch_normalization (BatchNo		127, 127, 64)	256	
	conv2d_1 (Conv2D)	(None,	125, 125, 128)	73856	
	max_pooling2d_1 (MaxPooling2	(None,	62, 62, 128)	0	
	batch_normalization_1 (Batch	(None,	62, 62, 128)	512	
45 46	conv2d_2 (Conv2D)	-		295168	
47 48	conv2d_3 (Conv2D)	(None,	58, 58, 256)		
	max_pooling2d_2 (MaxPooling2	_	_	0	
51 52	batch_normalization_2 (Batch	-	•	1024	
53 54	conv2d_4 (Conv2D)	(None,	27, 27, 512)	1180160 	
56	conv2d_5 (Conv2D)	(None,	25, 25, 512) 		
58	<pre>max_pooling2d_3 (MaxPooling2</pre>				
60	batch_normalization_3 (Batch				
62	conv2d_6 (Conv2D)	(None,			
63 64	conv2d_7 (Conv2D)	(None,	8, 8, 512)	2359808	
65 66	max_pooling2d_4 (MaxPooling2	(None,	4, 4, 512)	0	
67 68	batch_normalization_4 (Batch				
	flatten (Flatten)	(None,	8192)	0	
71 72	dense (Dense)			8389632	
74	dense_1 (Dense)	(None,	1024)		
75 76	dense_2 (Dense)	(None,	6) 	6150	
77 78	dense_3 (Dense)	(None,	6) ========	42 =======	
	Total params: 18,671,792 Trainable params: 18,668,848				
	Page 2 of 6				

```
102 accuracy: 0.41992021-09-22 10:42:22.266240: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
   76/196 [========>.....] - ETA: 15:41 - loss: 1.7868 -
   accuracy: 0.42152021-09-22 10:42:45.649031: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
    82/196 [========>.....] - ETA: 14:54 - loss: 1.7832 -
104
   accuracy: 0.42192021-09-22 10:43:33.009771: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
    87/196 [========>.....] - ETA: 14:16 - loss: 1.7804 -
105
   accuracy: 0.41992021-09-22 10:44:12.545371: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
   92/196 [==========>.....] - ETA: 13:37 - loss: 1.7776 -
106
   accuracy: 0.42222021-09-22 10:44:52.521418: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
    96/196 [=========>.....] - ETA: 13:05 - loss: 1.7755 -
107
   accuracy: 0.42512021-09-22 10:45:23.658930: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
108 109/196 [==========>.....] - ETA: 11:23 - loss: 1.7691 -
   accuracy: 0.43492021-09-22 10:47:05.757518: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
109 117/196 [===========>....] - ETA: 10:20 - loss: 1.7654 -
   accuracy: 0.43542021-09-22 10:48:08.298541: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
110 119/196 [============>....] - ETA: 10:05 - loss: 1.7647 -
   accuracy: 0.43432021-09-22 10:48:24.210308: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
111 122/196 [=============>....] - ETA: 9:41 - loss: 1.7632 -
   accuracy: 0.43652021-09-22 10:48:47.475406: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
112 2021-09-22 10:48:47.722039: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
accuracy: 0.43902021-09-22 10:49:26.682216: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
114 130/196 [==============>.....] - ETA: 8:38 - loss: 1.7597 -
   accuracy: 0.43872021-09-22 10:49:50.136210: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
115 131/196 [===============>.....] - ETA: 8:30 - loss: 1.7591 -
   accuracy: 0.44012021-09-22 10:49:58.180916: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
116 134/196 [===============>.....] - ETA: 8:07 - loss: 1.7579 -
   accuracy: 0.44052021-09-22 10:50:21.847593: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
117 135/196 [==============>.....] - ETA: 7:59 - loss: 1.7574 -
   accuracy: 0.44072021-09-22 10:50:29.714489: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
118 2021-09-22 10:50:29.755230: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
accuracy: 0.44502021-09-22 10:53:00.724832: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
accuracy: 0.44302021-09-22 10:54:35.404255: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
accuracy: 0.44552021-09-22 10:55:22.441455: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
```

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File - KerasTunerDeagan
accuracy: 0.44592021-09-22 10:55:37.965353: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
accuracy: 0.44522021-09-22 10:58:43.574654: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
124 2021-09-22 10:58:47.917280: W tensorflow/core/lib/png/png_io.cc:88] PNG
  warning: iCCP: known incorrect sRGB profile
125 2021-09-22 10:58:50.373609: W tensorflow/core/lib/png/png_io.cc:88] PNG
  warning: iCCP: known incorrect sRGB profile
126 2021-09-22 10:59:33.751480: W tensorflow/core/lib/png/png_io.cc:88] PNG
  warning: iCCP: known incorrect sRGB profile
127 2021-09-22 10:59:35.670765: W tensorflow/core/lib/png/png_io.cc:88] PNG
  warning: iCCP: known incorrect sRGB profile
128 2021-09-22 10:59:58.768004: W tensorflow/core/lib/png/png_io.cc:88] PNG
  warning: iCCP: known incorrect sRGB profile
- accuracy: 0.4452 - val_loss: 1.6590 - val_accuracy: 0.4795
130 Epoch 2/10
- accuracy: 0.4545 - val_loss: 1.5605 - val_accuracy: 0.4795
132 Epoch 3/10
- accuracy: 0.4545 - val_loss: 1.4881 - val_accuracy: 0.4795
134 Epoch 4/10
- accuracy: 0.4545 - val_loss: 1.4354 - val_accuracy: 0.4795
136 Epoch 5/10
- accuracy: 0.4545 - val_loss: 1.3975 - val_accuracy: 0.4795
138 Epoch 6/10
- accuracy: 0.4545 - val_loss: 1.3705 - val_accuracy: 0.4795
140 Epoch 7/10
- accuracy: 0.4545 - val_loss: 1.3514 - val_accuracy: 0.4795
142 Epoch 8/10
- accuracy: 0.4545 - val_loss: 1.3379 - val_accuracy: 0.4795
144 Epoch 9/10
- accuracy: 0.4545 - val_loss: 1.3284 - val_accuracy: 0.4795
146 Epoch 10/10
- accuracy: 0.4545 - val_loss: 1.3216 - val_accuracy: 0.4795
148 2021-09-22 15:28:40.074545: W tensorflow/core/lib/png/png_io.cc:88] PNG
  warning: iCCP: known incorrect sRGB profile
   1/27 [>.....] - ETA: 2:38 - loss: 1.1841 -
149
  accuracy: 0.50002021-09-22 15:28:42.631920: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
```

png\_io.cc:88] PNG warning: iCCP: profile 'ICC Profile': 'desc': ICC

7/27 [=====>.....] - ETA: 41s - loss: 1.2954 -

8/27 [======>.....] - ETA: 39s - loss: 1.3035 -

png\_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile

profile tag start not a multiple of 4

accuracy: 0.52232021-09-22 15:28:55.119313: W tensorflow/core/lib/png/

accuracy: 0.50392021-09-22 15:28:57.095384: W tensorflow/core/lib/png/

150

```
152 2021-09-22 15:28:57.095789: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: profile 'ICC Profile': 'wtpt': ICC profile tag start not
   a multiple of 4
```

- 153 2021-09-22 15:28:57.096139: W tensorflow/core/lib/png/png\_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
- 154 2021-09-22 15:28:57.096449: 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
- 155 2021-09-22 15:28:57.096847: 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
- 156 2021-09-22 15:28:57.097213: W tensorflow/core/lib/png/png\_io.cc:88] PNG warning: iCCP: profile 'ICC Profile': 'gXYZ': ICC profile tag start not a multiple of 4
- 157 2021-09-22 15:28:57.097593: 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
- 158 2021-09-22 15:28:57.097991: 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
- 159 2021-09-22 15:28:57.101611: 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
- 160 2021-09-22 15:28:57.156552: 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
- 161 2021-09-22 15:28:57.156920: 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
- 162 2021-09-22 15:28:57.157218: 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
- 163 2021-09-22 15:28:57.157575: 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
- 164 2021-09-22 15:28:57.157888: 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
- 165 2021-09-22 15:28:57.158174: 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
- 166 2021-09-22 15:28:57.158465: W tensorflow/core/lib/png/png\_io.cc:88] PNG warning: iCCP: profile 'ICC Profile': 'gTRC': ICC profile tag start not a multiple of 4
- 167 2021-09-22 15:28:57.158780: W tensorflow/core/lib/png/png\_io.cc:88] PNG warning: iCCP: profile 'ICC Profile': 'bTRC': ICC profile tag start not a multiple of 4
- 168 15/27 [===========>.....] ETA: 25s loss: 1.3367 accuracy: 0.49172021-09-22 15:29:11.782979: W tensorflow/core/lib/png/ png\_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
- accuracy: 0.4803
- 170 Accuracy: 0.48032405972480774
- 171 Loss: 1.3522608280181885
- 172 end

173

174 Process finished with exit code 0