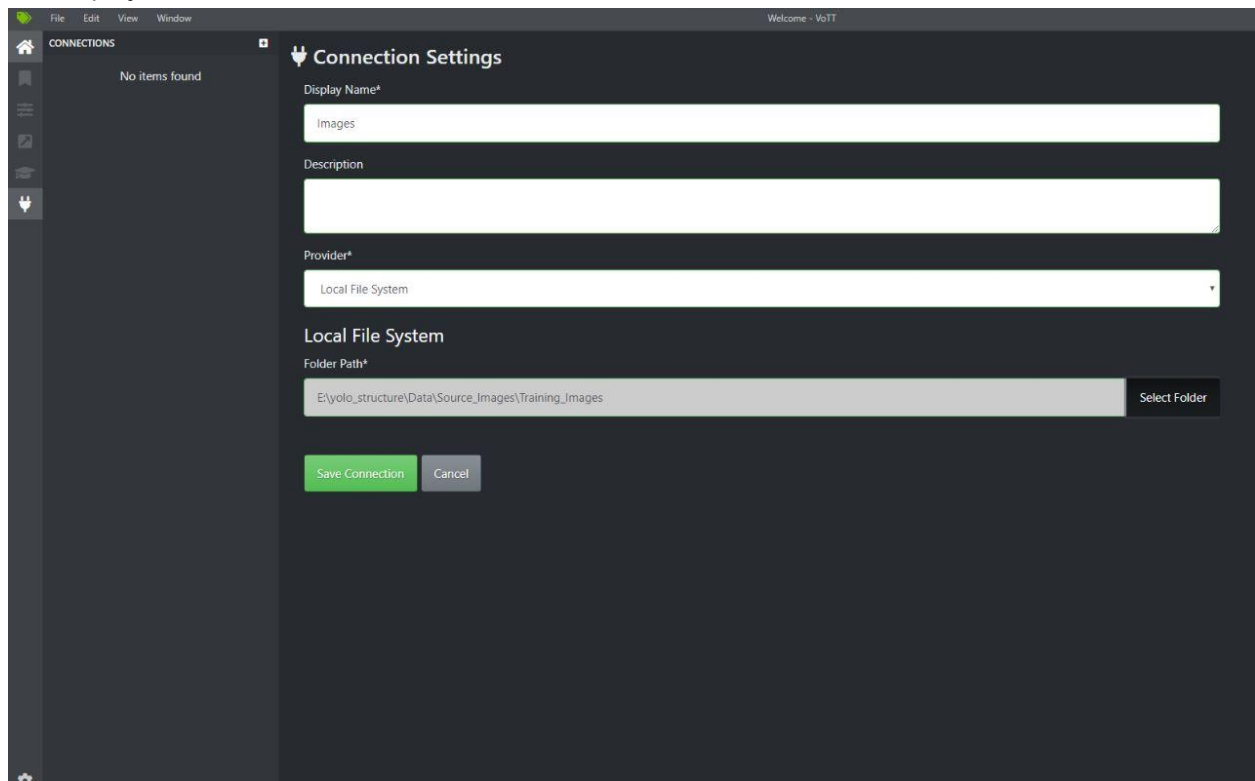


Annotate Images

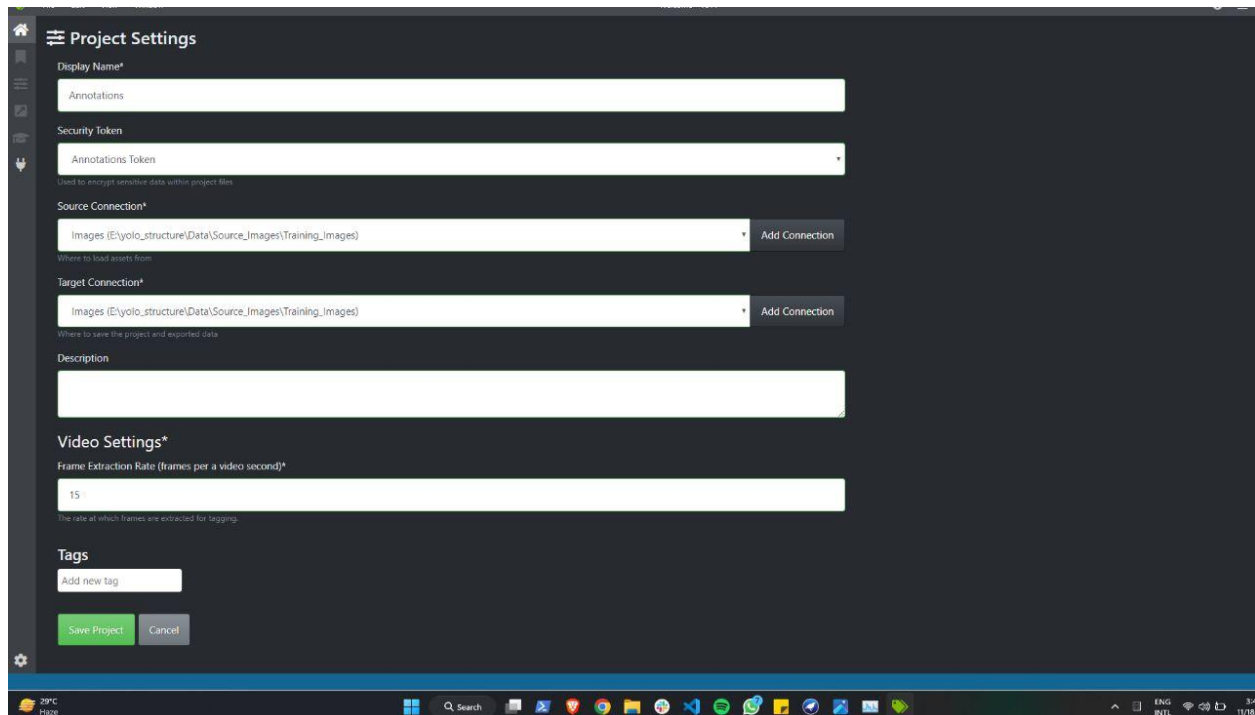
Create project in VOTT



The screenshot shows the 'Connection Settings' dialog box in the VOTT application. The left sidebar has a 'CONNECTIONS' header and a 'No items found' message. The main area is titled 'Connection Settings' and contains the following fields:

- Display Name***: A text input field containing 'Images'.
- Description**: A large text area for additional information.
- Provider***: A dropdown menu currently set to 'Local File System'.
- Local File System**: A section with a **Folder Path*** input field containing 'E:\yolo_structure\Data\Source_Images\Training_Images' and a 'Select Folder' button.
- Buttons**: 'Save Connection' (green) and 'Cancel' (grey) buttons at the bottom.

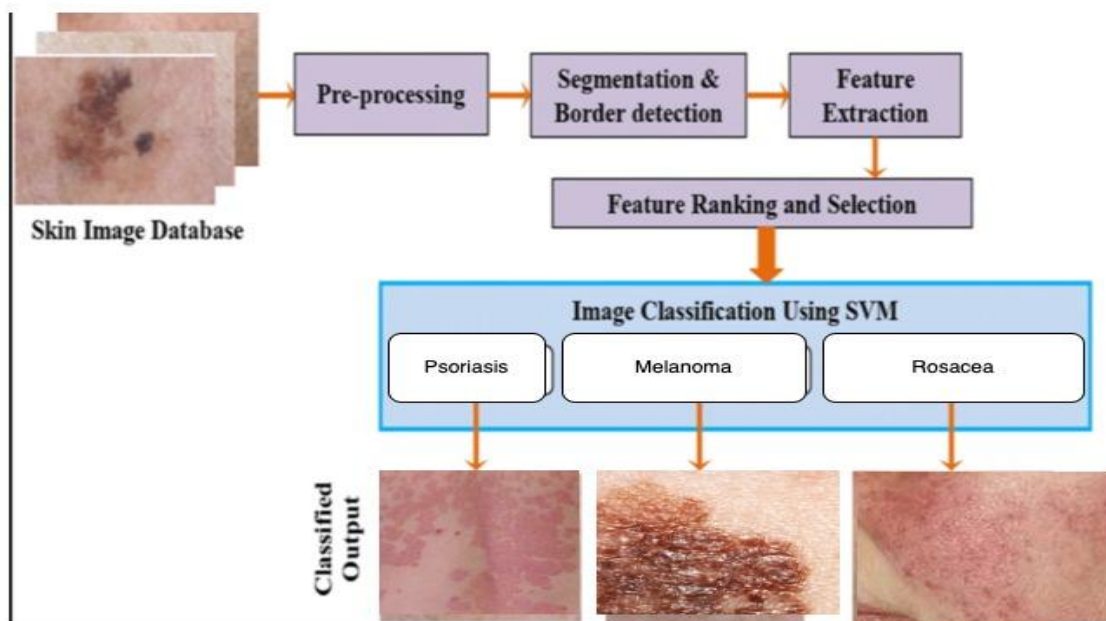
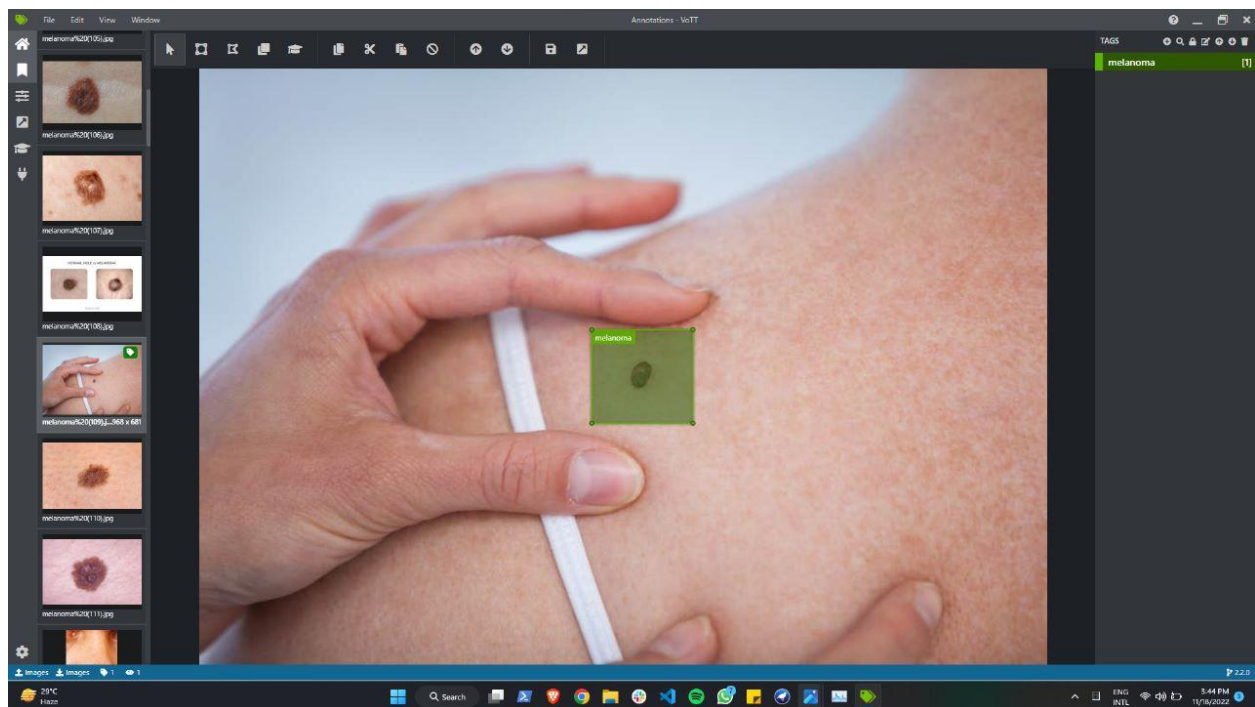
Create project in VOTT - Part 2



The screenshot shows the 'Project Settings' dialog box in the VOTT application. The left sidebar has a 'Project Settings' header. The main area is titled 'Project Settings' and contains the following fields:

- Display Name***: A text input field containing 'Annotations'.
- Security Token**: A dropdown menu currently set to 'Annotations Token'.
- Source Connection***: A dropdown menu containing 'Images (E:\yolo_structure\Data\Source_Images\Training_Images)' and an 'Add Connection' button.
- Target Connection***: A dropdown menu containing 'Images (E:\yolo_structure\Data\Source_Images\Training_Images)' and an 'Add Connection' button.
- Description**: A large text area for additional information.
- Video Settings***: A section with a **Frame Extraction Rate (frames per a video second)*** input field containing '15'.
- Tags**: A section with an 'Add new tag' input field.
- Buttons**: 'Save Project' (green) and 'Cancel' (grey) buttons at the bottom.

Create a project in Vott - Part 3



Create a project in Vott - Part 4

```
PROBLEMS 7 OUTPUT TERMINAL JUPYTER SQL CONSOLE DEBUG CONSOLE
(env) PS C:\Users\sushi\Desktop\ibm_pages\yolo_structure\one_Image_Annotation> python Convert_to_YOLO_format.py
(env) PS C:\Users\sushi\Desktop\ibm_pages\yolo_structure\one_Image_Annotation>
```

```
C:\Windows\System32\cmd.exe
leaky_re_lu_78 (LeakyReLU)      (None, None, None, 0)      ['batch_normalization_78[0][0]']
conv2d_57 (Conv2D)            (None, None, None, 4718592) ['leaky_re_lu_56[0][0]']
conv2d_65 (Conv2D)            (None, None, None, 1179648) ['leaky_re_lu_63[0][0]']
conv2d_73 (Conv2D)            (None, None, None, 294912) ['leaky_re_lu_70[0][0]']
batch_normalization_57 (Batch Normalization) (None, None, None, 4896) ['conv2d_57[0][0]']
batch_normalization_64 (Batch Normalization) (None, None, None, 2848) ['conv2d_65[0][0]']
batch_normalization_71 (Batch Normalization) (None, None, None, 1624) ['conv2d_73[0][0]']
leaky_re_lu_57 (LeakyReLU)      (None, None, None, 0)      ['batch_normalization_57[0][0]']
leaky_re_lu_64 (LeakyReLU)      (None, None, None, 0)      ['batch_normalization_64[0][0]']
leaky_re_lu_71 (LeakyReLU)      (None, None, None, 0)      ['batch_normalization_71[0][0]']
conv2d_58 (Conv2D)            (None, None, None, 261375) ['leaky_re_lu_57[0][0]']
conv2d_66 (Conv2D)            (None, None, None, 138815) ['leaky_re_lu_64[0][0]']
conv2d_74 (Conv2D)            (None, None, None, 65535) ['leaky_re_lu_71[0][0]']

=====
Total params: 62,881,757
Trainable params: 61,949,149
Non-trainable params: 52,668
=====
None
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be built. 'model.compile_metrics' will be empty until you train or evaluate the model.
Saved Keras model to yolo.h5
Read 62881757 of 62881757.0 from Darknet weights.
E:\yolo_structure\2_Training\src\keras_yolo3>
```

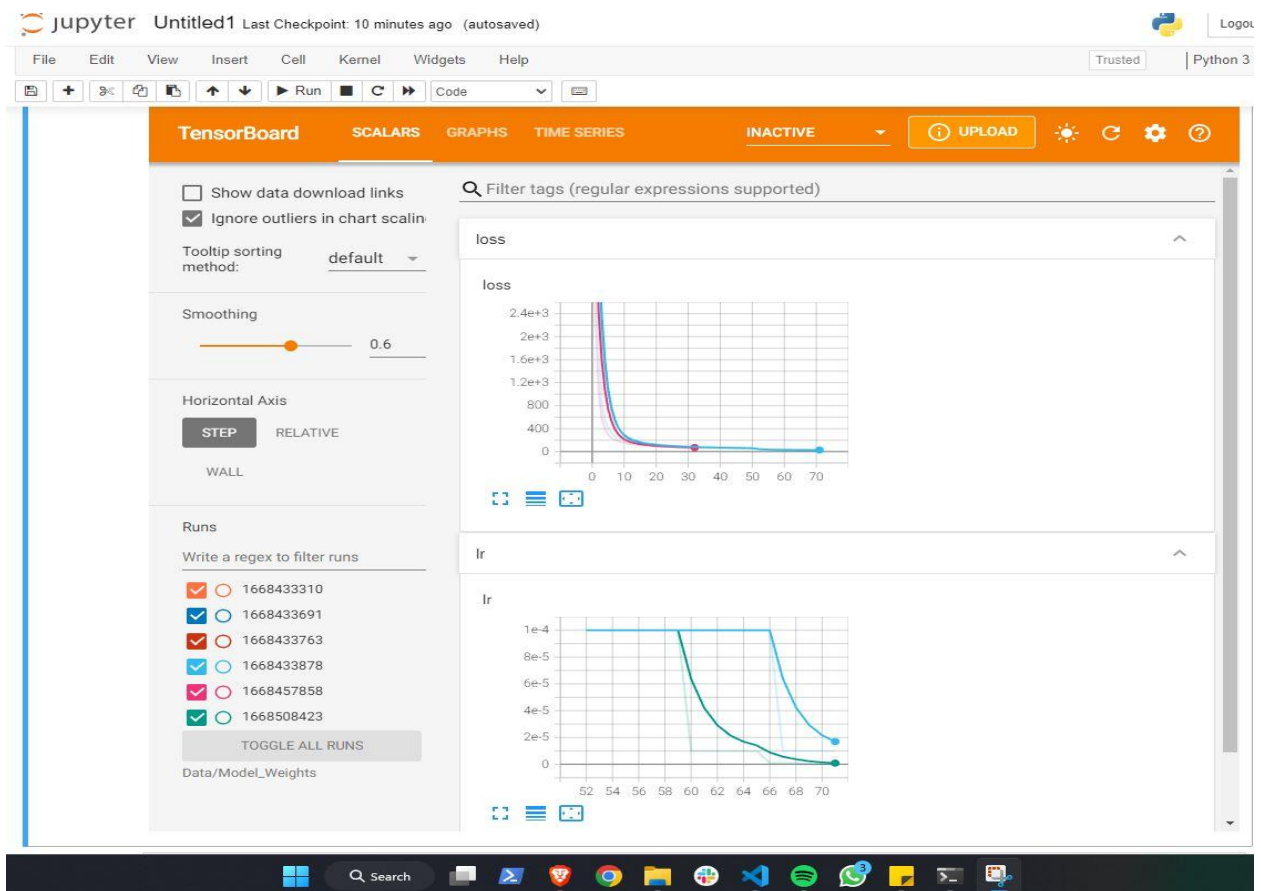
```
Anaconda PowerShell Prompt
Unfreeze all layers.
Train on 257 samples, val on 28 samples, with batch size 4.
Epoch 52/102
64/64 [=====] - 452s 7s/step - loss: 40.8618 - val_loss: 41.1954
Epoch 53/102
64/64 [=====] - 422s 7s/step - loss: 34.6135 - val_loss: 43.0967
Epoch 54/102
64/64 [=====] - 397s 6s/step - loss: 33.5791 - val_loss: 38.9369
Epoch 55/102
64/64 [=====] - 403s 6s/step - loss: 32.6595 - val_loss: 38.7229
Epoch 56/102
64/64 [=====] - 406s 6s/step - loss: 38.5118 - val_loss: 36.3898
Epoch 57/102
64/64 [=====] - 399s 6s/step - loss: 31.4193 - val_loss: 37.8129
Epoch 58/102
64/64 [=====] - 399s 6s/step - loss: 31.3786 - val_loss: 37.5740
Epoch 59/102
64/64 [=====] - 398s 6s/step - loss: 30.3514 - val_loss: 37.4547

Epoch 00059: ReduceLROnPlateau reducing learning rate to 9.999999747378752e-06.
Epoch 60/102
64/64 [=====] - 2877s 45s/step - loss: 29.1478 - val_loss: 38.7863
Epoch 61/102
64/64 [=====] - 408s 6s/step - loss: 29.1592 - val_loss: 38.1282
Epoch 62/102
64/64 [=====] - 432s 7s/step - loss: 27.7946 - val_loss: 33.2628
Epoch 63/102
64/64 [=====] - 407s 7s/step - loss: 28.0740 - val_loss: 33.8075
Epoch 64/102
64/64 [=====] - 469s 7s/step - loss: 27.8350 - val_loss: 35.9434
Epoch 65/102
64/64 [=====] - 439s 7s/step - loss: 28.1844 - val_loss: 35.0971

Epoch 00065: ReduceLROnPlateau reducing learning rate to 9.999999747378752e-07.
Epoch 66/102
64/64 [=====] - 449s 7s/step - loss: 27.8538 - val_loss: 37.0076
64/64 [=====] - 452s 7s/step - loss: 28.1334 - val_loss: 37.3828
Epoch 68/102
64/64 [=====] - 447s 7s/step - loss: 26.9528 - val_loss: 34.0749

Epoch 69/102
64/64 [=====] - 452s 7s/step - loss: 27.5562 - val_loss: 36.0917
Epoch 70/102
64/64 [=====] - 516s 8s/step - loss: 28.2189 - val_loss: 36.5924
64/64 [=====] - 528s 8s/step - loss: 27.8759 - val_loss: 35.0793

Epoch 00071: ReduceLROnPlateau reducing learning rate to 1.0000000116860975e-08.
Epoch 72/102
64/64 [=====] - 646s 10s/step - loss: 27.6699 - val_loss: 38.5444
Epoch 00072: early stopping
(base) PS E:\lba_yolo\yolo_structure\2_Trainings> %load_ext tensorboard
```



Annotations-export

Search (Alt+Q)

Sanku Khadka

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Calibri 11 A A

General

Conditional Formatting Table

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AutoSave

POSSIBLE DATA LOSS Some features might be lost if you save this workbook in the comma-delimited (.csv) format. To preserve these features, save it in an Excel file format. Don't show again Save As...

psoriasis_20(200).jpg

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
4	psoriasis_	109.507	9.386004	551.5063	312.1447	psoriasis																	
5	psoriasis_	84.7293	86.74125	223.1017	202.617	psoriasis																	
6	psoriasis_	120.15	210.8938	208.8672	289.3582	psoriasis																	
7	psoriasis_	24.14999	233.0757	59.90172	290.0203	psoriasis																	
8	psoriasis_	254.881	249.9605	281.3638	291.6757	psoriasis																	
9	psoriasis_	252.5638	138.0576	281.6948	223.8056	psoriasis																	
10	psoriasis_	52.83073	82.51976	313.2407	335	psoriasis																	
11	psoriasis_	194.8357	56.0565	434.8834	207.8192	psoriasis																	
12	psoriasis_	341.8735	120.3164	679.7185	322.6667	psoriasis																	
13	psoriasis_	391.1141	295.322	499.2445	446.4012	psoriasis																	
14	psoriasis_	220.1399	285.0678	283.0584	410.8531	psoriasis																	
15	psoriasis_	40.27415	181.6949	202.0202	351.6384	psoriasis																	
16	psoriasis_	5.48517	0.451979	256.2368	108.0226	psoriasis																	
17	psoriasis_	21.29833	111.1865	233.6465	178.5311	psoriasis																	
18	psoriasis_	222.5029	157.1751	371.2905	378.1921	psoriasis																	
19	psoriasis_	46.80702	119.774	107.4074	230.0565	psoriasis																	
20	psoriasis_	20.12477	249.0395	73.03704	354.3503	psoriasis																	
21	psoriasis_	149.9181	53.78531	201.4737	117.0622	psoriasis																	
22	psoriasis_	144.039	150.5085	218.2066	259.435	psoriasis																	
23	psoriasis_	472.8187	86.32769	537.0371	304.6328	psoriasis																	
24	psoriasis_	326.2924	35.25424	383.7271	112.0904	psoriasis																	
25	psoriasis_	152.1793	290.661	437.9961	396.3842	psoriasis																	
26	psoriasis_	481.8635	310.9605	576.3821	393.6723	psoriasis																	
27	psoriasis_	66.70566	66.44068	118.7135	110.7345	psoriasis																	
28	psoriasis_	16.50682	361.13	48.61599	394.1243	psoriasis																	
29	psoriasis_	152.4263	146.9966	291.089	202.4339	psoriasis																	
30	psoriasis_	135.3756	89.05085	278.0502	145.9932	psoriasis																	
31	psoriasis_	67.6338	437.6933	169.3363	334.4893	psoriasis																	

Annotations-export

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