This is a sample write-up. The write-up need not be in tabular form.

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| **Experiment Number** | **Model** | **Result** | **Decision + Explanation** |
| **1** | **Conv3D** | **Index 100 out of range error while model fit** | **Generator not working properly, remaining sequence calculation corrected** |
| **2** | **Conv3D** | **Error :Callback not possible as val\_loss, val\_accuracy not available** | **Frequency of callback changed to “epoch”. As validation runs at the end of epoch** |
| **3** | **Conv3D** | **High training loss nearly infinite (‘nan’)** | **Parameters reduced from 4.6 crores to 1.2 crores, by dropout and lesser hidden layers (from 6 to 3).** |
| **4** | **Conv3D** | **Activation function changed from elu to Relu** | **Epoch time reduced drastically** |
| **5** | **Conv3D** | **Accuracy 0.20** | **With 30 epoch, 2 hidden layer, SGD, LR 0.01 decaying,**  **11 images from one sequence, 108 size** |
| **6** | **Conv3D** | **Accuracy 0.21** | **Hidden layer 4** |
| **7** | **Conv3D** | **Accuracy 0.22** | **Image size to 120** |
| **8** | **Conv3D** | **Accuracy 0.22** | **Image size to 150** |
| **3D Convolution is not giving better accuracy than 0.21**  **Now next iterations are done on basis of 2D CNN + RNN architecture** | | | |
| **9** | **ConvGRU** | **Accuracy: 0.55** | **108 image size, 10 epoch.**  **2 GRU layers, 1 dense layer, ReLu, SGD optimizer** |
| **10** | **ConvGRU** | **Accuracy : 0.50** | **Adding dropout. To lower number of parameters (from ~2 to 1.4 crores) and make training faster** |
| **11** |  | **Accuracy: 0.69** | **20 epochs, 150 image size. improving epochs & image size to achieve higher accuracy** |
| **12** | **ConvGRU** | **Accuracy: 0.97** | **Base model weights made trainable, for higher accuracy** |
| **Final Model** | **ConvGRU** | **Accuracy: 0.90** | **25 epoch, 108 image size🡪 increase epoch and size reduce to lower training time. Further epochs would increase accuracy.** |



