**Gesture recognition by Sivashankaran S and Ateendra Jha.**

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| **Experiment Number** | **Model** | **Result** | **Decision + Explanation** |
| **1** | **Conv3D** | **Accyracy 0.20 on training and 0.22 on validation** | **Sanity check with less epochs to check.** |
| **2** | **Conv3D** | **Accuracy 0.22 on train and 0.21 on valid** | **2 Conv3d of same filters were put instead of 1.** |
| **3** | **Conv3D** | **Accuracy: 0.48 and 0.44 on validation set** | **image resize with greyscale** |
| **4** | **Conv3D** | **0.73 on train and 0.54 on valid** | **Increase in size of batchsize** |
| **5** | **Conv3D** | **0.80 train set**  **0.56 validation set** | **Increase in size of batchsize** |
| **6** | **Conv3D** | **0.82 train set**  **0.63 validation set** | **Increase in no of epochs. Model is overfitting** |
| **7** | **Conv3D** | **0.98 train set**  **0.69 validation set** | **Change in optimizer** |
| **8** | **Conv3D** | **0.99 trainset**  **0.73 validation set** | **Increasing no of epochs** |
| **9** | **Conv3D** | **0.88 trainset**  **0.85 validation set** | **Changing optimizer, few layers and the image size.**  **Replaces dropout layers after conv with batch normalization.**  **Increased batchsize and epochs** |
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| **Final Model** | **Conv3D** | **0.88 trainset**  **0.85 validation set** | **…………………** |