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| **Experiment Number** | **Model** | **Result** | **Decision + Explanation** |
| **1** | **Conv3D** | validation accuracy –16%  training accuracy -44%  Achieved less accuracy | Adding drop out layers. Increased batch size & Epochs in order to improve accuracy. |
| **2** | **Conv3D** | validation accuracy –91%  training accuracy -95%  Accuracy improved | Adding more layers - Batch Size and No. of Epochs.  val\_loss did not improve  from 3.58246  **.** |
| **4** | **Conv3D** | validation accuracy –19%  training accuracy -60% | Very low performance.  So, reducing network parameters. |
| **5** | **CNN+LSTM** | validation accuracy –45%  training accuracy -89% | Overfitting is considerably high, not much improvement.  Reduce batch size to improve validation accuracy |
| **6** | **TRANSFER LEARNING** | validation accuracy –73%  training accuracy -99.40% | We are not training the Mobile Net weights that can see, validation accuracy is poor. |
| **7** | **TRANSFER LEARNING WITH GRU** | validation accuracy –98%  training accuracy -99.55% | **Best model achieved in terms of accuracy** |