|  |  |  |  |
| --- | --- | --- | --- |
| **Experiment Number** | **Model** | **Result** | **Decision + Explanation** |
| **1** | **Conv3D** | **Train Accuracy: 0.9668, Validation Accuracy: 0.7400** | **Even though training accuracy is good but validation accuracy deviation is high. But in model 2 the training and validation accuracy difference is low comparatively** |
| **2** | **Time Distributed + ConvLSTM 2D** | **Train Accuracy: 0.7240, Validation Accuracy: 0.6700** | **With this approach the accuracy decreased. But This is the best model so far we can get. The validation accuracy is good and the numbers of parameters are 13,589.** |
| **3** | **Conv3D**  **Dropout = 0.5** | **Train Accuracy: 0.8974, Validation Accuracy: 0.2700** | **with dropout 0.5 the model validation score further reduced and the model is over-fitted.** |