The model building has been done based on three experiments which allowed me to see the changes in the accuracy. The following table shows the same.

|  |  |  |  |
| --- | --- | --- | --- |
| **Experiment Number** | **Model** | **Result** | **Decision + Explanation** |
| **1** | **Conv3D** | **Model is trainable and accuracy is: Training – 0.4 and Val -0.3** | **Need to improve the accuracy further** |
| **2** | **Conv3D** | **Model is trainable and accuracy is: Training – 0.4 and Val – 0.42** | **Accuracy on val set has improved.** |
| **3** | **Conv3D** | **Model is trainable and accuracy is: Training – 0.49 and Val – 0.62** | **The accuracy has significantly improved.** |