**Accuracy Curves Loss Curves** VGG16 vs Flex VGG16 vs Flex (Different Mechanisms) (Different Mechanisms) 1.0 0.972 0.738 2.0 1.008 0.759 0.732 1.114 8.0 1.156 ANN\_VGG16 SNN\_Hybrid\_VGG16 1.146 1.267 1.5 Accuracy SNN\_STBP\_VGG16 Loss 0.6 Train Train ANN\_FLEX Validation Validation SNN\_Hybrid\_FLEX SNN\_STBP\_FLEX 0.4 0.5 0.2 0.0 100 120 20 100 120 20 **Epochs Epochs**