CNN MODEL ARCHITECTURE.

(16, 21, 64, 1)	(16, 21, 64, 32)	(16, 21, 64, 128)	(16, 1, 64, 32)	(16, 1, 64, 128)	(16, 8192)	16, 512	(16, 64)
INPUT LAYER	BN1 CONV1	BN2 CONV2	BN3 CONV3	BN4 CONV4	Flatten	Classify Dropout	Dense (result)