MODELLING PART-2

(ARTIFICIAL INTELLIGENT LOGISTIC MANAGEMENT SYSTEM)

MODEL ARCHITECTURE AND SOFTWARE PIPELINE:

Because our group project is the classification of images and is directly related to grocery stores, we will be using various data forms. First data will be preprocessed and then it will be segmented into two parts called test data and train data. As this will reduce the chances of getting fatal errors. This is the pipeline for the flow of data in our model.

DATA ASSUMPTIONS, LIMITATION & CONSTRAINTS:

As you can see from the above-mentioned documents provided, we assume that the dataset we have is quiet enough for our project as currently our project is in the modelling phase of the development. But once the model is developed, we can add more data in the database. As of now we will restrict the data

to 25 rows and columns in database so that we can accomplish the task in the given period. In the same way be will be restricting our application to fewer features.

MODEL SELECTION SCORECARD:

We will apply different types of machine learning algorithms and check the accuracy of our model. Based on outputs from results of visualization, sensitivity and performance analysis of our model, we will score and select the machine learning algorithm.

Model	Scorecard
Keras	
Pytorch	
TensorFlow	
Scikit-learning	