

Figure 4.6: IMPORTING CODEBOOK IN CLASSIFICATION LEARNER

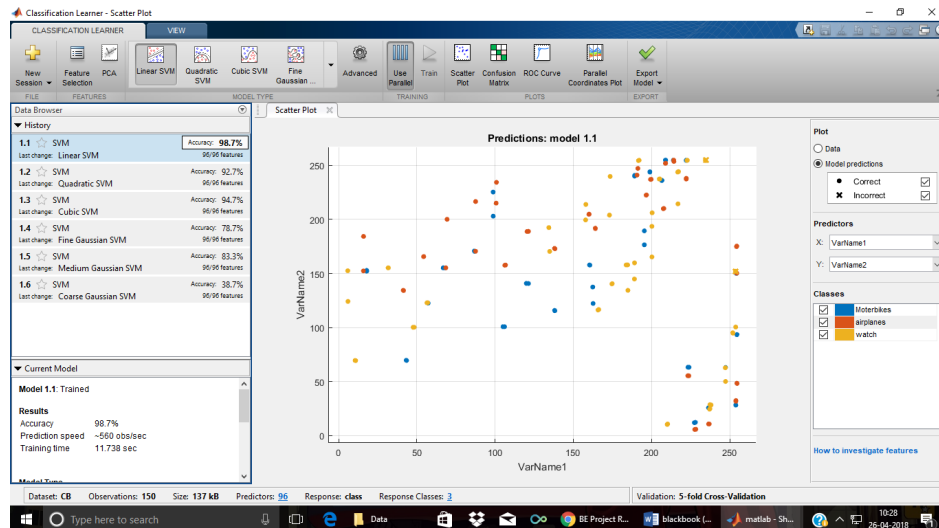


Figure 4.7: TRAINING SVM

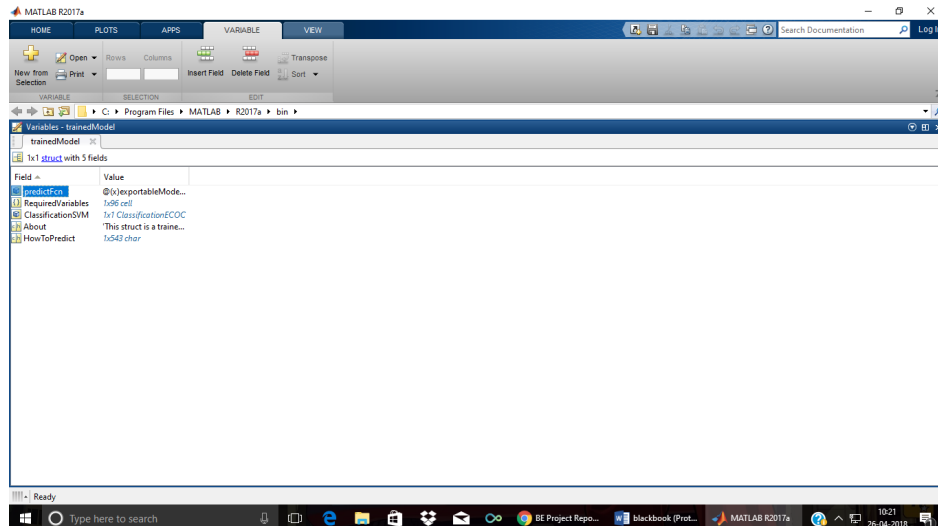


Figure 4.8: TRAINED MODEL

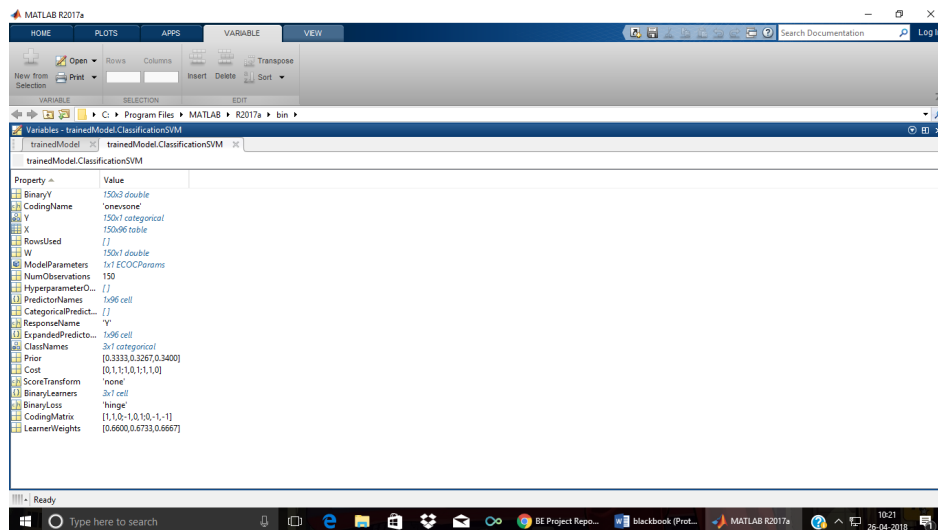
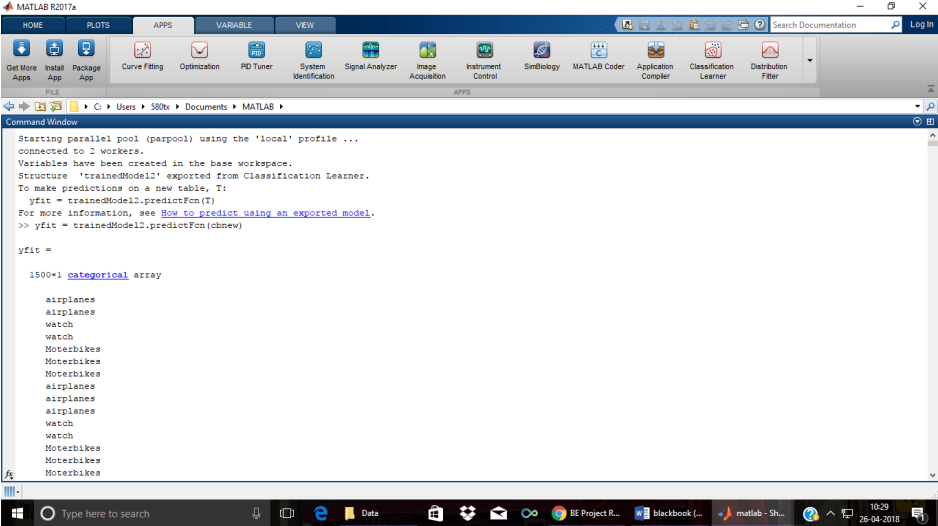


Figure 4.9: TRAINED MODEL CLASSIFICATION SVM



**Figure 4.10: OUTPUT**

## Chapter 5

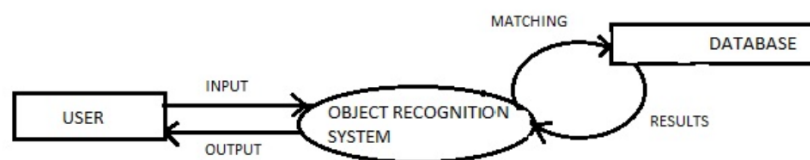
### DESIGN AND TIMELINE

The Efficient file integrity security system designing included the top down approach. First we analyzed the problem, and then we divide the system into three parts, viz. Auditing module, check sum generation module and parsing module. Accordingly, the related Data flow diagrams and UML diagrams are also prepared.

#### 5.1 DATA FLOW DIAGRAM (DFD)

##### 5.1.1 Data Flow Diagram LEVEL-0

The level-0 DFD shows the basic functionality of the system in bubble i. e. monitoring the files. The input and output of the system is also shown.



**Figure 5.1:** Level-0 DFD

The level-0 DFD is further detailed in the figure below showing the role of audit daemon.