## **LIST OF FIGURES**

Fig 1.1: An overview of HOG feature extraction and object detection chair	n9
Fig 1.2: A general Perceptron representation	15
Fig 1.3: Simplified model of neuron.	16
Fig 1.4: General representation of PNN	17
Fig 1.5: Feed forward neural network representation.	18
Fig 1.6: Radial basis neural network general representation	21
Fig 1.7: Radial basis neural network detailed representation	22
Fig 3.1: Sample of front view database.	42
Fig 3.2: Sample images of back view database.	42
Fig 3.3: Sample images for left view database	43
Fig 3.4: sample images of right view database	43
Fig 3.5: Block and Cell division in HOG &RDHOG feature descriptors	45
Fig 4: Results in form of frames containing pedestrians	52-55