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| logo.jpg  **Neural Network Course**  **Computer Science Department**  **Faculty of Computer and Information Sciences**  **Ain Shams University, Egypt** |
| **A Report of Final Project**  **By** |

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| --- | --- |
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| **Project Title** | |
| **"Object Detection And Recognition"** | |

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**1st Semester 2017\2018**

# **Comparative Study**

In this section, you should mention the results of a full run of the classification algorithms (fill in table1), such as 1) the overall accuracy, 2) screenshot of the confusion matrix.

Table 1. Overall Accuracy (%)

|  |  |  |
| --- | --- | --- |
|  | **MLP** | **RBF** |
| **PCA** | 33.3 |  |

# **Conclusion**

The best for MLP is using hyper tangent activation function with number of epochs larger than 50 to use cross validation stopping criteria, and the best for hidden numbers less than 4 with 15 neurons inside.