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

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| **Project Title** | |
| **"*Object Detection and Recognition*"** | |

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**1stSemester 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 (%)

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Modified KNN** | **r-Near Neighbors** | **SVM** |
| **GLCM** | 68% | 60% | 36% |
| **Run-Length Matrix** | 76% | 68% | 72% |
| **GLCM + Run-Length Matrix** | 76% | 68% | 72% |
| **SIFT (Bonus)** |  |  |  |

# **Conclusion**

The Modified Knn has the highest Accuracy among classification algorithms .