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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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| --- | --- |
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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 (%)

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Modified KNN** | **r-Near Neighbors** | **SVM** |
| **GLCM** | 61.538461538461540  Of k=6 | 42.307692307692310  Of r=4 | 53.846153846153850 |
| **Run-Length Matrix** | 73.076923076923070  Of k=6 | 46.153846153846150  Of r=27 | 53.846153846153850 |
| **GLCM + Run-Length Matrix** | 76.923076923076930  Of k=3 | 53.846153846153850  Of r=4 | 69.230769230769230 |
| **SIFT (Bonus)** |  |  |  |

# **Conclusion**

This section should contain your conclusion about your work. Mention what is the best classification algorithm based on the values of table 1 with your interpretation.