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| logo.jpg  **Artificial Neural Networks Course**  **Computer Science Department**  **Faculty of Computer and Information Sciences**  **Ain Shams University, Egypt** |
| **A Report of Final Project – (RBFN)**  **By** |

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| --- | --- |
| **Team no.: [Team no.]**  **[Name1] - [Section no.]**  **[Name2] - [Section no.]**  **[Name3] - [Section no.]**  **[Name4] - [Section no.]**  **[Name5] - [Section no.]**  **[Name6] - [Section no.]** | |
| **Project Title** | |
| **"*Object Detection and Recognition*"** | |

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**2nd Semester 2017\2018**

# **RBFN Models (Results)**

Mention all your models (trials) you did in the following table format.

**(At least 5 trials)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **# Epochs** | **Input layer** | | **Hidden layer** | | **Output layer** | |
|  | # Neurons |  | # Hidden neurons |  | # Neurons | 5 |
| **Learning** **rate** |  | | **MSE threshold** |  | **Accuracy** | % |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **# Epochs** | **Input layer** | | **Hidden layer** | | **Output layer** | |
|  | # Neurons |  | # Hidden neurons |  | # Neurons | 5 |
| **Learning** **rate** |  | | **MSE threshold** |  | **Accuracy** | % |

and so on for all tried models.

# **The Best RBFN Model**

In this section, mention the best model (that has the greatest accuracy) of your previous tried models.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **# Epochs** | **Input layer** | | **Hidden layer** | | **Output layer** | |
|  | # Neurons |  | # Hidden neurons |  | # Neurons | 5 |
| **Learning** **rate** |  | | **MSE threshold** |  | **Accuracy** | % |