**Task 2**

Team ID : SC\_26

Team :

|  |  |  |
| --- | --- | --- |
| **Member name** | **Department** | **ID** |
| عبدالرحمن حمدى عبدالتوب احمد | sc | 20201701096 |
| زياد احمد السيد حسن | sc | 20201700299 |
| زياد عبدالسلام السيد محمد | sc | 20201700310 |
| عبدالرحمن عمرو تحسين على | sc | 20201700476 |
| عبدالرحمن مجدى احمد رزق | sc | 2021170302 |
| هبة الله شعبان عبد الغفار نوار | sc | 20201700955 |

**Backpropagation Algorithm**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Activation Function** | **Train Accuracy** | **Test Accuracy** | **LR** | **Epochs** | **#Layers** | **#HiddenNodes** |
| Sigmoid | 28.18 | 47.50 | 0.1 | 10 | 2 | 100,100 |
| Tanh | 28.18 | 47.50 | 0.1 | 10 | 2 | 100,100 |

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated