Faculty of Computers & Artificial Intelligence
2ˢᵗ Term (2019-2020) Final Resit Exam
Class: 4ᵗʰ year computer science
Course Code: CSC 445
Course name: Neural Network

Benha University
Final Date: 7 / 6 /2020
Total Marks: Pass / Fail
Examiner(s): Dr. Ahmed Elsawy

<div align="center">

Research submission: From 31 May to 7 June 2020

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a) <u>**Write a research project in the following topics:**</u>

Humans have a brain that can learn. Artificial neural networks (ANN) enable the computer to learn on its own. Write a research to explain how ANN learning. This research explain also different structure of ANN and different kinds of learning (write briefly about some algorithms in each learning kind)

Research title "Learning in ANN"

b) <u>**Notes:**</u>

- <u>**First: please, your research must contain the following elements:**</u>
    a) Research cover
    b) Research name
    c) Introduction
    d) Content (explain the methods and algorithms that dealt with the research problem)
    e) Discussion (Analyze and compare the methods and algorithms that were presented in the previous section in terms of advantages and disadvantages)
    f) Conclusion
    g) References

- <u>**Second: General rules:**</u>
    1- Research font: Times New Roman
    2- The search name has a size of 16 bold
    3- Headlines with a size of 14 is bold, and the numbering is as follows 1., 2., …
    4- Subtitles with a size of 12 bold, and the numbering is as follows 1.1, 1.2, ….
    5- The text size 12
    6- References size 10
    7- The distance between the lines is 1.15
    8- The tables are numbered and written like Table 1: Table 2: ... is. The title is above the table in the middle.

9- The pictures are numbered and written Figure 1:, Figure 2:, ... and the title is at the bottom of the image in the middle

10- The references are numbered according to the order in which they are used by research

11- When using or referring to any part of a reference, the reference number in the paragraph is written like this [1] and this means reference No. 1

12- In the references section, the reference is written as follows:

Authors name, "reference name", Publisher (journal name or conference name or book publisher), (volume for papers or edition for books), pages for papers.

13- Number of pages between 8 to 12 pages.

14- The search will be sent as a PDF.

GOOD LUCK,

Examiner(s)
Assoc. Prof. Ahmed Elsawy

Head of Departement
Assoc. Prof. Ahmed Elsawy