**Mansoura University**



**Faculty of Computers and Information**

**Department of Computer Science**

**Project Proposal**

# Arabic Title

# ضغط الحمض النووي

### 

##### English Title

### **Compression DNA sequence**

### **Submitted by:**

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Project Abstract:

Due to the technological progress in Next Generation Sequencing (NGS), the amount of genomic data that is produced daily has seen a tremendous increase , thus it needs a large storage space, so DNA compression is used to reduce storage

Project Objectives:

Compressing DNA sequencing to reduce the physical storage used to save a large amount of genomic data

Who are the project **competitive**? and how will your project be **different**?

There are some projects competitive ,Our project will try to compress DNA sequence and reduce the storage as much as possible

Tools, Hardware and Software Resources:

**Tools :-**

**python**

**Software:-**

PyCharm and anaconda

**Hardware:-**

**Suitable computer**

SCHEDULING PHASES:

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| **From** | **To** | **Activity** |
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References: