**Mansoura University**



**Faculty of Computers and Information**

**Department of Computer Science**

**Project Proposal**

# Arabic Title

# حمي البحر الابيض المتوسط

### 

##### English Title

# MEFV

### **Submitted by:**

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Project Abstract:

Familial Mediterranean Fever (FMF) is the most common autoinflammatory disease (AID) affecting mainly the ethnic groups originating from Mediterranean basin. 23 novel mutations have been found. FMF is caused by mutations in the MEFV missense SNPs (we were focusing on SNPs *MEFV* gene is localized on 16p13.3 of chromosome 16 at position 13.3 which consists of 10 exons with 21600 bp, which are responsible for amino acid residue substitutions resulting in functional diversity of proteins in humans) coding for pyrin.

Project Objectives:

We aimed to identify the pathogenic SNPs in MEFV by computational analysis software.

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

Others uses some tools like SIFT,PolyPhen-2 and others

We want to use gene expression to diagnose this disese

Tools, Hardware and Software Resources:

**Tools :-**

**Gene expression**

**Software:- python pycharm**

**Hardware:-**

SCHEDULING PHASES:

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