**Mansoura University**



**Faculty of Computers and Information**

**Department of Computer Science**

**Project Proposal**

# Arabic Title

### فحص ضغط الدم

##### English Title

### **Blood Pressure check**

### **Submitted by:**

#### 

| Student Name | Student Email | Section |
| --- | --- | --- |
| Mohamed emad abd elmeneam | Me38310@gmail.com | 13 |
| Mohamed ehab ahmed ali | meno.memooo.22@gmail.com | 12 |
| Khaled Mohamed othman | koo200198@gmail.com | 12 |

Project Abstract:

High blood pressure can damage your arteries by making them less elastic, which decreases the flow of blood and oxygen to your heart and leads to heart disease. In addition, decreased blood flow to the heart can cause: Chest pain, also called angina.

Project Objectives:

Blood pressure check and predict the pathogens and know the Symptoms of High Blood Pressure

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

Mathematical Analysis of Hemodynamic Pulse Wave in Human Fluid-structure Interaction.

Relationship Between Weight and Blood Pressure of Patients with High Blood Pressure.

The Effect of Weight on Blood Pressure of Hypertensive Patients

We will measure high and low blood pressure.

Tools, Hardware and Software Resources:

**Tools :-**

**QI toolkit**

**D2B strategic**

**Software:-**

Php storm

Visual studio

**Hardware:-**

SCHEDULING PHASES:

| **From** | **To** | **Activity** |
| --- | --- | --- |
| **1/3** | **14/3** | Research |
| **15/3** | **30/3** | Collecting data |
| **1/4** | **14/4** | Analysis |
| **15/4** | **30/4** | Deploiment |
| **1/5** | **3/5** | Testing |
|  |  |  |

References:

**1-Mathematical Analysis of Hemodynamic Pulse Wave in Human Fluid-structure Interaction**

2-Relationship Between Weight and Blood Pressure of Patients with High Blood Pressure

**3-The Effect of Weight on Blood Pressure of Hypertensive Patients**