**Mansoura University**



**Faculty of Computers and Information**

**Department of Computer Science**

**Project Proposal**

# Arabic Title

# الكشف عن سرطان الثدي

### 

##### English Title

Breast Cancer Detection

### **Submitted by:**

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| --- | --- | --- |
| Student Name | Student Email | Section |
| Esraa Sherif | esraasherif11@std.mans.edu.eg | Sec 2 |
| Shaimaa Sabry | Shimaaassi@std.mans.edu.eg | Sec 1 |
| Alaa Ibrahim | alaaibrahim505@std.mans.edu.eg | Sec 9 |

Project Abstract:

The idea of the project is that each woman performs an analysis periodically to make sure that she does not suffer from breast cancer by examining two genes on both chromosome number 13 and 17 to make sure that there is no mutation and if a mutation is found, we will determine whether she suffers from breast cancer or not , This method consists of two main parts, in the first part the image processing techniques are used to prepare the mammography images for feature and pattern extraction process. The second part is presented by utilizing the extracted features as an input for machine learning models then Determine if it is benign or malignant.

Project Objectives:

. Reducing the spread of breast cancer

. detect the disease early and treat it.

. Spreading awareness to avoid getting breast cancer

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

* The current websites are very complicated and profitable to deal with, so we will work on facilitating dealing with them for free.

Tools, Hardware and Software Resources:

**Tools :- Tools on Matlab for machine learning**

**Software:- Matlab ,**

**Hardware:- Computer Hardware**

SCHEDULING PHASES:

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