**Mansoura University**



**Faculty of Computers and Information**

**Department of Computer Science**

**Project Proposal**

# Arabic Title

#### نظام تقييم وخطط علاجية شاملة لامراض القلب

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##### English Title

System for comprehensive assessment and treatment plan for heart diseases

### **Submitted by:**

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Project Abstract:

Our Heart Diseases program provides a comprehensive assessment and treatment plan for people with congestive heart failure and all types of heart muscle disease (cardiomyopathy).

Project Objectives:

Ensure that high quality systems are delivered, provide strong management controls over the projects, and maximize the productivity of the systems staff, and also relieve symptoms, reduce the chances that you will develop complications, and slow, stop, or reverse the progression of the underlying process.

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

* 2016 ESC guidelines for the diagnosis and treatment of acute and chronic heart failure: the Task Force for the diagnosis and treatment of acute and chronic heart failure of the European Society of Cardiology (ESC). Developed with the special contribution of the Heart Failure Association (HFA) of the ESC.
* 2013 ACCF/AHA guideline for the management of heart failure: executive summary: a report of the American College of Cardiology Foundation/American Heart Association Task Force on practice guidelines.
* Our Heart Failure program provides a comprehensive assessment and treatment plan for people with congestive heart failure and all types of heart muscle disease (cardiomyopathy)

Tools, Hardware and Software Resources:

**Tools :-**

Kaggle dataset

MediFind

The HFA-PEFF score

H2FPEF score

**Software:-**

Visual studio code

PhpStorm

**Hardware:-**

SCHEDULING PHASES:

|  |  |  |
| --- | --- | --- |
| **From** | **To** | **Activity** |
| Week1 | Week2 | Studying |
| Week2 | Week4 | Data gathering |
| Week4 | Week6 | Deployment |
|  |  |  |
|  |  |  |
|  |  |  |

References:

[**https://www.sciencedirect.com/science/article/pii/S221317792030216X**](https://www.sciencedirect.com/science/article/pii/S221317792030216X)

[**https://www.acc.org/Education-and-Meetings/Features/HF-Web-Tool/References**](https://www.acc.org/Education-and-Meetings/Features/HF-Web-Tool/References)

[**https://www.uptodate.com/contents/heart-failure-beyond-the-basics**](https://www.uptodate.com/contents/heart-failure-beyond-the-basics)