**Turings Team**

**Diabetes Model**

**Project Idea:**

Our project is about Diabetes. Diabetes is one of the most dangerous diseases if it isn’t controlled. It could lead to death if the patient goes in several diabetic comas. So, we chose to make our model on diabetes.

We downloaded the data from Kaggle and started working on the data.

**Team Members:**

* Youssef Hossam ELrooby(Team Leader (Vice)):
* Load & Clean the data:

To be fit to our model by cleaning some rows from it to obtain the deserved accuracy and to prevent the data from being over fitting.

as **the data wasn’t good enough to work on**.

It was done by searching about the methods and we chose the manual one.

* Data Rearrange:

some Previous (Offline & Online) sessions as a reference.

* Data scaling:

some Previous (Offline & Online) sessions as a reference

* Data splitting:

some Previous (Offline & Online) sessions as a reference

* Searched for an algorithm and write its code
* Graphs to make the model and algorithms clear:

searched for the graphs and made the data easy to understand **by finding more than one way to graph the data and also the algorithms and writing their code as well.**

* Mohamed Ali
* **Led the way in our project's algorithm section**. He handpicked and built the algorithms, showcasing expertise in enhancing model accuracy. His role was pivotal in steering the technical aspects of the project. (Building Random Forest, Gradient Boosting and Decision Tree algorithms)
* Made our data and algorithms easy to understand **by finding the right graphs** and figuring out how to show them. He also wrote the code for these visuals, making our project more clear and straightforward.
* Provided valuable assistance during the review of our project. His insights and efforts were instrumental in enhancing the overall quality and effectiveness of our work.
* Thought about more than one idea for developing our project.
* Amina Shaheen: She thought about the idea of the project. And worked with the team on the pre-(programming) work phase.

(Few work on the data) as her laptop wasn’t working during the project. She chose one algorithm with the team as well.

So, she tells MSC co-leader (Eng. Abdulrhman Osama) and tells the leader of the team that **she is out**.

* Youssef ELazzazy: Brings the data from Kaggle and tells the team that **he is out**. As he is abroad and can’t work because he didn’t take his laptop.

(No Work on the data)

* Abdullah Hussein: (No effective work on the project)

He was causing problems with the team members. He wasn’t serious at all and was always joking. He was one of the main reasons that made member (Amina Shaheen quit the team and not continue as he was so rude to her after the last match of Egypt (the meeting was after the match)). ” ENG ABDULRAHMAN OSAMA was in the meeting by the ask of the team Leader “

He doesn’t do his tasks “just copying the code of the members and changing some values of the code and changing its path and there is evidence” and say that he worked .

So, **He is out of our team**.