**Daily report**

Firstname: Aida

Lastname: Mahdavi Shakib

Field of activity: AI

Collaboration start date: 1404/04/17

Date of report: 1404/04/25

Number of report: 3

Part One: Study Phase

Part two: tasks

Duration: 6h



Tomorrow's work priorities: completing my tasks

* **Reading about scikit\_learn**:

Supervised models: Regressions, classification, Decision tree,

Random forest,…

* **Working on the project's dataset code:**

[**iFDC---FCDDWCSW/datasets at main · Ai-ithub/iFDC---FCDDWCSW**](https://github.com/Ai-ithub/iFDC---FCDDWCSW/tree/main/datasets)

( I reduced the data size of this dataset and set it to 1000. Also, I changed the number of wells to a single value so that I could generate output from the code and work with it.)

Using standard scaler 🡪 output:74.5

Using minmax scaler 🡪 output:74.5

Using the plot method for this dataset to visualize its related charts

* **Studying different machine learning models to identify better performance for the project:**

Using random forest for test.

The LSTM model was a bit difficult for me.