

Oil price tracker

This project will collect oil price with web scraper to show it on graph with NodeRed. All collected oil price data will be sent to MySQL database(everyday). This project can show where are the petrol station with the lowest oil price is located and where are the petrol station that have expensive oil prices are. This is done using a simple formula for calculating the total average oil price on that day.

Dechabhol Kotheeranurak	6010546664
Thanapoom Rattanathumawat	6010546672
Sujinunt Puangmalai	6010545951

Tools used:

Node red:

<https://158.108.34.31/red/%3Cku-account>

PHP my admin:

<https://158.108.34.31/pma/index.php>

Link to webpage:

<https://158.108.34.31/red/b6010546672/ui/#!/0?socketid=eIVFUIWXK21ZcXm5AAAE>

We set the input function(timestamp) to self inject everyday so all you need is the "Link to webpage". Having that open is enough for anyone to view the graph.

Ever since the presentation we have added three new API's like asked. First being, "<https://158.108.34.31/red/b6010546672/oil/yesterday>" which is used to update the oil price that was displayed yesterday. Secondly, "<https://158.108.34.31/red/b6010546672/oil/today>" which is an API for updating the price daily. Lastly, "<https://158.108.34.31/red/b6010546672/oil/today/{oil name}>" which is the nine different oil types(G95, E20 and more). Is these instructions are not clear, please contact thanapoom.ta@ku.th.

