**ICT Project Assignment**

**Task 8**

The starting understanding of the problem area was the pricing of cars and how fluctuant they are as well as the high inflation in all new car prices and the curiosity was on the effects this has had on the regular Maltese auto-dealer, considering all brands provided by these auto-dealers are foreign and the foreign market affects the Maltese local market.

The initial choice of method with respect to methodology was based on a firmly different program as well as dataset. The choice of previous methodology prior to the literature review was based on creating a program via python and launching it on a private website created in order to choose selections of cars and their market value and estimated prices.

This changed as a result of understanding further research and complexity of creating such a program in a short time span. Instead of the prior methodology, the present methodology bases itself off a present dataset in which the program taken the entire dataset, the sales figures and the prices of the vehicles and trains itself in order to predict the outcome of dataset provided. Changes will need to be made if the dataset is changed.

The chosen methodology has affected the results since the basis of the results has changed and the prototype presented to the auto dealers differs from the initial choice. The concept is much simpler on the current prototype in contrast to the older one, leading to a simpler, easier to use program shown to users which sparked their interest to use for their own organisation.

Limitations in online surveys were evident, since the focus of the survey increased on predictive machine learning this might progressively lose the interest of the participants and they can either fill in these randomly or refrain from completing the survey. Another limitation is these results may have been subject to bias which would lead to random or potentially fake responses. As a result, the outcomes of the survey may not have been as accurate as expected.

I believe related areas to the study are feasible to continue the study in a more progressive manner, creating a better prototype which targets more auto-dealers possibly on an international basis. This could work in such a manner where the prototype is specifically enhanced and altered in such a way to provide specific prediction for a specific manufacturer, for example Audi. These results prove that auto dealers are in favour of the idea and would invest if this was a low costing product. On the other hand, this could prove as motivation to alter the program and invest enough time and research to produce this for a much larger company where the product would be tailor-made on the basis of this prototype, using the dataset of the organisation.