**INTRODUCTION**

According to the data obtained from the National Transport Authority (2014), there has been an increase of 254% in the number of cars from 2003 (68, 524) to 2014 (173, 954), as shown in Figure 1. We can thus infer that the sale of second-hand imported (reconditioned) cars and second-hand used cars has eventually increase given that new cars represent only a very small percentage of the total number of cars sold each year. Most individuals in Mauritius who buy new cars also want to know about the resale value of their cars after some years so that they can sell it in the used car market.

Price prediction of second-hand cars depends on numerous factors. The most important ones are manufacturing year, make, model, mileage, horsepower and country of origin. Some other factors are type and amount of fuel per usage, the type of braking system, its acceleration, the interior style, its physical state, volume of cylinders (measured in cubic centimeters), size of the car, number of doors, weight of the car, consumer reviews, paint colour and type, transmission type, whether it is a sports car, sound system, cosmic wheels, power steering, air conditioner, GPS navigator, safety index etc. In the Mauritian context, there are some special factors that are also usually considered such as who were the previous owners and whether the car has had any serious accidents.

Thus, predicting the price of second-hand cars is a very laudable enterprise. In this paper, we will assess whether neural networks can be used to accurately predict the price of secondhand cars. The results will also be compared with other methods like linear regression and support vector regression.

This paper proceeds as follows. In this system, various works on neural networks and price prediction have been summarized. The methodology and data collection are described in this system. The system presents the results for price prediction of second-hand cars. Finally, we end the paper with a conclusion and some ideas towards future works.