

**INDIAN INSTITUTE OF INFORMATION**  
**TECHNOLOGY (NAGPUR)**  
**PYTHON MINI-PROJECT**

❖ **TOPIC - CARZONE (DATA  
ANALYSIS FOR BUYING A  
CAR)**



## ● SUBMITTED BY-

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- DR. PARNIKA MAM

## ★ ABOUT THE PROJECT -

- We created a project on data analysis of cars. When a customer wants to purchase a car in a showroom and if he/she requires all the information about the car, we made it easy for them with our project.

- From our project he/she gets following advantages-
- Customers can compare the car's features like price, engine power, mileage etc.
  - Customers get details such as which car company is more famous in their region.

## → Libraries used -

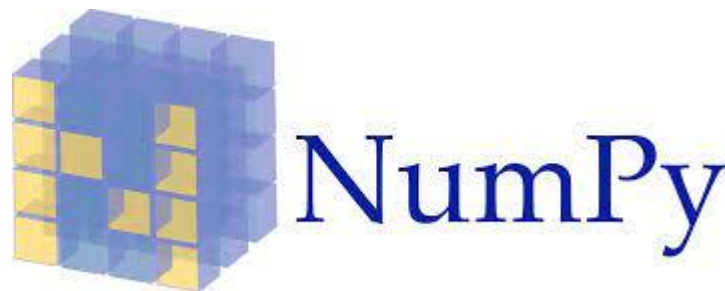
### → Pandas-

- Pandas is an open source library that allows you to perform data manipulation in Python. Pandas provide an easy way to create, manipulate and wrangle the data.



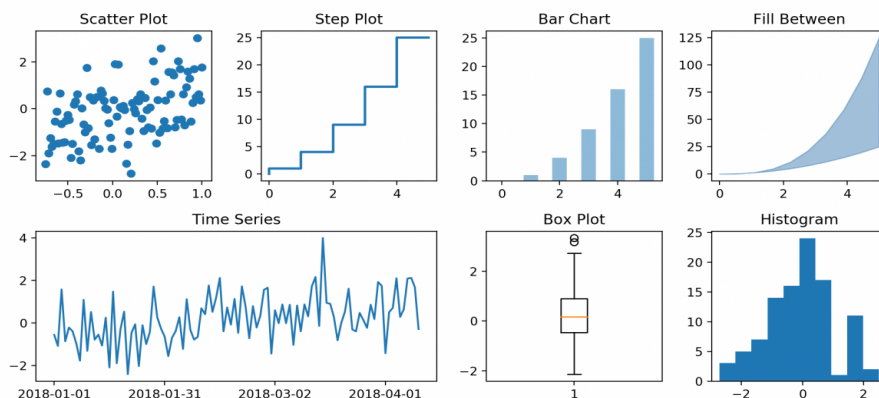
## → Numpy-

- Numpy is the fundamental package for scientific computing with Python. numpy can be used as an efficient multi-dimensional container of generic data.



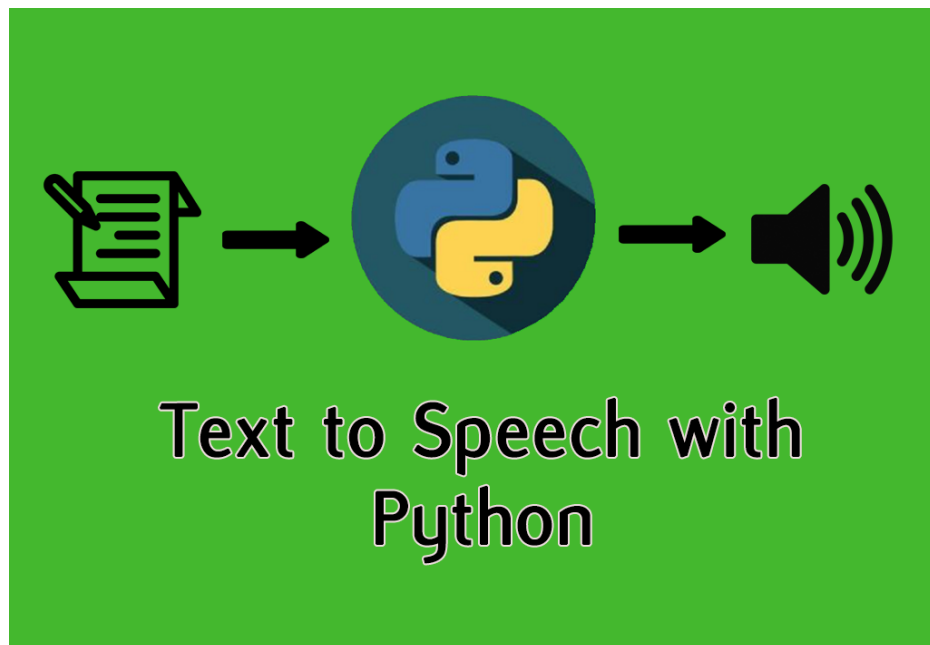
## → Matplotlib-

- Matplotlib is a Python 2D plotting library which produces publication quality figures in a variety of formats.



## → gTTS-

- gTTS is a very easy to use tool which converts the text entered, into audio which can be saved as a mp3 file.



## ❖ How we made this project -

1. We installed all the above libraries.
2. We used pycharm, vscode and jupyter notebook.
3. We took help from some references from lecture videos taught by Dr. Parnika mam, python sites, youtube videos etc.
4. Functions used-print , if , input, .bar, .loadtxt etc.

**THANK YOU FOR VISITING**  
**CARZONE**