Prerequisites

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Team ID	PNT2022TMID10706
Team Leader	Sujitha P (4211191021098)
Team Member	Swedha M (4211191021101), Swetha P(4211191021102), Yamini P (4211191021118).
Project Name	Intelligent Vehicle Damage Assessment & Cost Estimator for Insurance Companies.

To complete this project, we must require the following software, concepts, and packages:

Anaconda Navigator:
Anaconda Navigator is a free and open-source distribution of the Python and R programming languages for data science and machine learning-related applications. It can be installed on Windows, Linux, and macOS. Conda is an open-source, cross-platform, package management system. Anaconda comes with so very nice tools like JupyterLab, Jupyter Notebook, QtConsole, Spyder, Glueviz, Orange, Rstudio, Visual Studio Code. For this project, we will be using a Jupyter notebook and Spyder.

1. To build Machine learning models you must require the following packages
    - Numpy:
    - It is an open-source numerical Python library. It contains a multidimensional array and matrix data structures and can be used to perform mathematical operations Scikit-learn:
    - It is a free machine learning library for Python. It features various algorithms like support vector machine, random forests, and k-neighbors, and it also supports Python numerical and scientific libraries like NumPy and SciPy Flask: Web framework used for building Web applications

    - Python packages:
    - open anaconda prompt as administrator
    - Type “pip install numpy” and click enter. Type “pip install pandas” and click enter.
    - Type “pip install scikit-learn” and click enter.
    - Type “pip install tensorflow==2.3.2” and click enter.
    - Type “pip install keras==2.3.1” and click enter.

- Type “pip install Flask” and click enter.

- Deep Learning Concepts
- VGG16: VGG16 is a transfer learning method. A pre-trained model trained on 1000 classes of images.
  VGG basic
- Flask: Flask is a popular Python web framework, meaning it is a third-party Python library used for developing web applications.
  Flask Basics

In Pycharm IDE we can install the packages through the command prompt.