PNT2022TMID44954

PROJECT FLOW

* Users can interact with our website before approaching an insurance company for checking the claimable insurance cost
* The user interacts with the web application to get the estimated cost.
* Once the input image is uploaded by the user the AI calculates the severity of the damage and gives the claimable cost as output.

**To accomplish this, we have to complete all the activities and tasks listed below**

* Data Collection - data collection is the process of gathering, measuring, and analysing accurate data from a variety of relevant sources to find the severity of the damage and the claimable cost for the insured vehicle.
  + Collect the dataset or create the dataset.
* Image Pre-processing - Image processing is a method to perform some operations on an image, in order to get an enhanced image or to extract some useful information from it.
  + Import Image Data Generator Library.
  + Define the parameters /arguments for Image Data Generator class
  + Applying Image Data Generator on train set and test set.
* Model Building
  + Import the model building Libraries
  + Initializing the model
  + Adding CNN Layers
  + Adding Hidden Layer
  + Adding Output Layer
  + Configure the Learning Process
  + Training and testing the model
  + Optimize the Model
  + Save the Model
* Website Development
  + Flask for web development
  + HTML and Css for website creation