Problem Statement: Detecting defect in Fender.

Approach: Using YoloV2 with Darknet as the base model.

YoloV2:Localizes the object to be detected and the goes on to classify the model. Classification is done by the Base Model which is Darknet in this case.

Data: Annotated using labelimg. Draw bounding boxes which stores the object co-ordinates for the model to learn.

Blockers : Could only run for 5 epochs as did not have access to a GPU.

1 . Run the notebook crack_detection.ipynb to run the training as well as inference.
2. The trained weights show a loss of 0.246 and the name of the file is crack_detection.h5