Step1- install CUDA and CUDNN

Step 2- Inside “Yolov5\_Module”:

* Create a python virtual Env: python –m venv myenv
* Activate venv using this cmd : myenv\Scripts\activate
* Clone yolov5 Repo: git clone https://github.com/ultralytics/yolov5

Step3- Inside “Yolov5\_Module/yolov5”:

* Install packages: pip install -r requirements.txt
* Uninstall torch and install torch+cuda
* Create dataset.yaml file and copy bellow text:

train: ../TruckDataset/images/train/

val: ../TruckDataset/images/val/

nc: 1

names: ['truck']

* Train yolov5 on custom dataset using this command:

python train.py --img 640 --batch 8 --epochs 30 --data dataset.yaml --weights yolov5s.pt