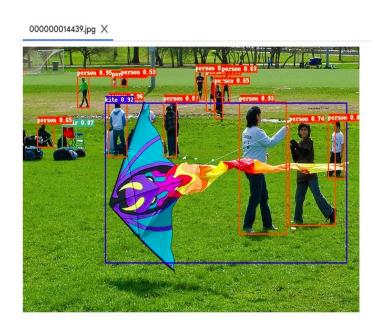
Name: Panneerselvam N

**Role: Research Intern – Inspect** 

Date: 01/07/2021

Today I had worked with both Pre-trained and custom model of PP-Yolo. First I had tested PP-Yolo's pre-trined weights with Paddle paddle framework. It works fine .

## **Output of pre-trained model:**





# **Custom model Training:**

For Yolo v4 custom training ,I have used Coco dataset, which is annotated by myself and my teams.

But that is in the form of Yolo , for PP-Yolo need to convert coco json format . So , I had referenced the following link for convention . While converting I had faced many errors , after fixing them ,finally converted to json format. <a href="https://www.programmersought.com/article/43131872583/">https://www.programmersought.com/article/43131872583/</a>

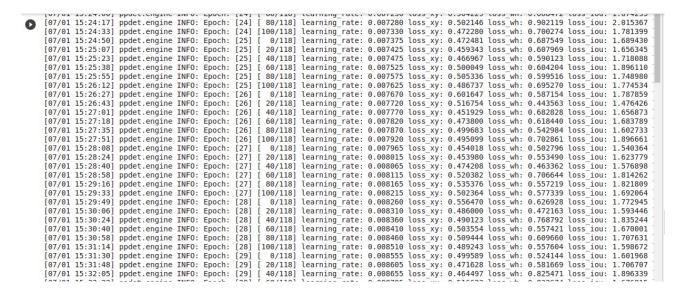
I had used my Colab and drive for custom model training. I had changed some training configurations in the directory of

configs/detections/coco\_detection.yml and chooses
ppyolo\_r50vd\_dcn\_2x\_coco.yml as my model .

While beginning of training, GPU error was occurred. I had fixed with changing the batch size to 8. After some epochs it stores checkpoints in output folder.

#### GitHub link: <a href="https://github.com/Panneer003/Aero2astro\_code.git">https://github.com/Panneer003/Aero2astro\_code.git</a>

## **Training screenshot:**



## **Checkpoints screenshot:**

