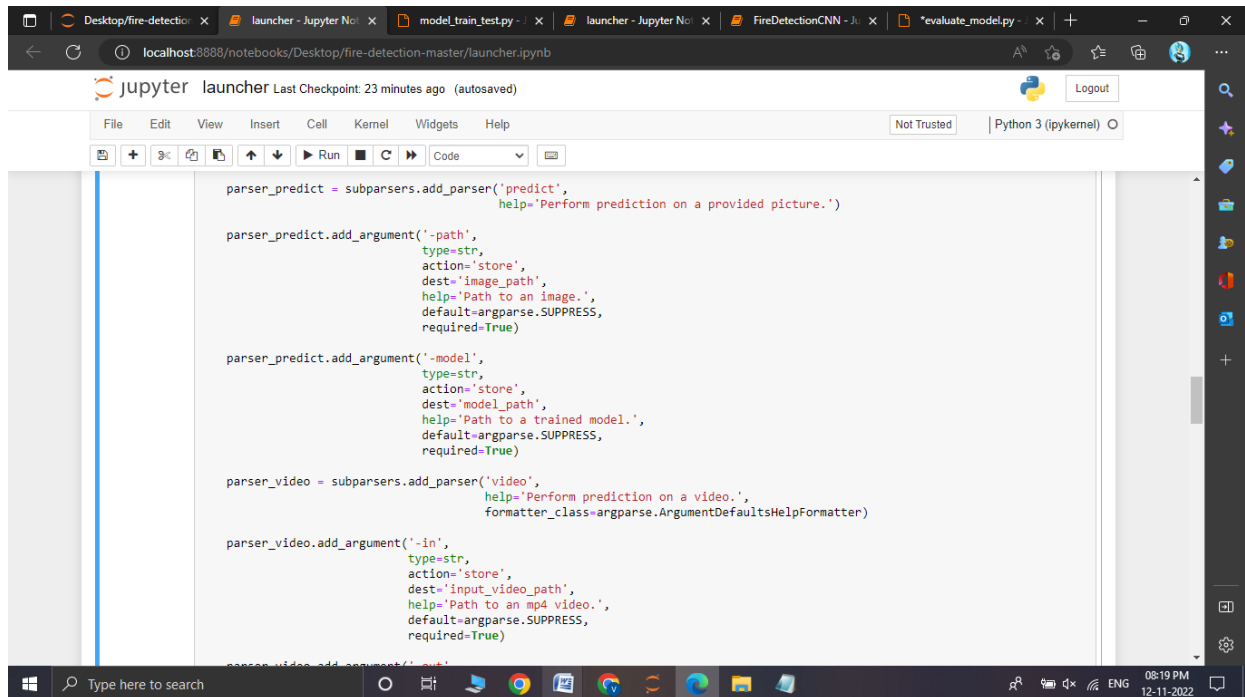


EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRE

MODEL BUILDING

PREDICTIONS

Team ID	PNT2022TMID21968
Project Name	Project-Emerging methods for early detection of forest fire.



The screenshot shows a Jupyter Notebook titled 'launcher' with the following code:

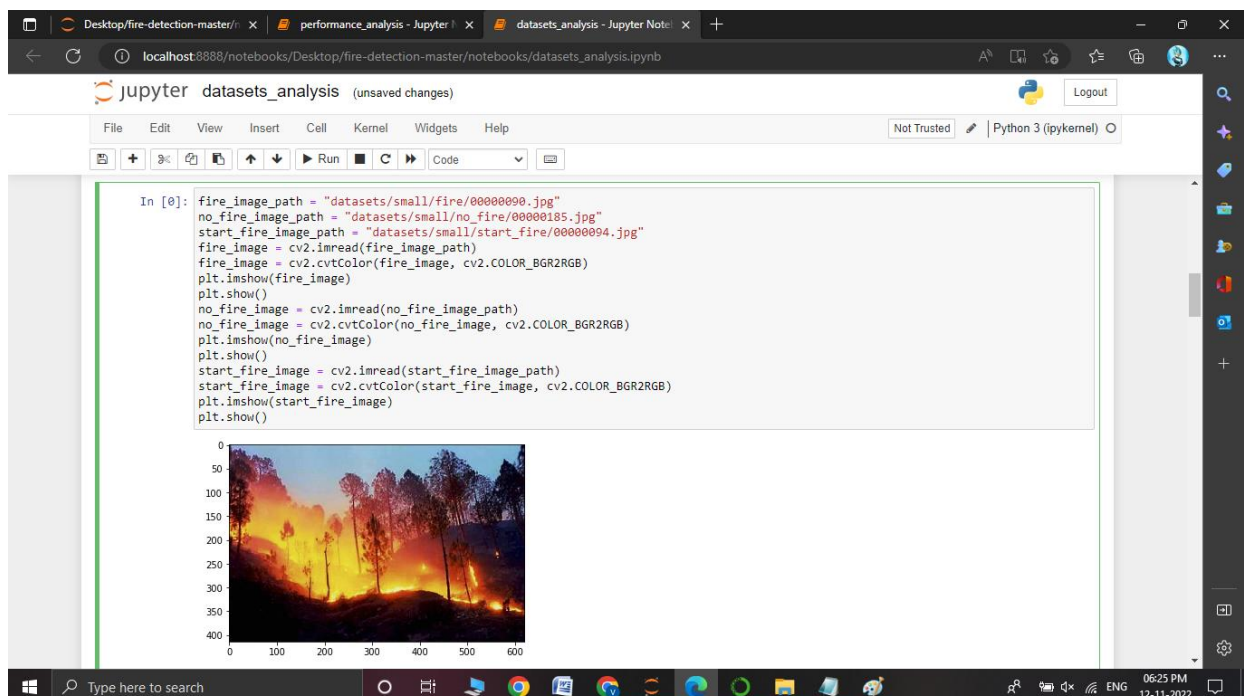
```
parser_predict = subparsers.add_parser('predict',
                                       help='Perform prediction on a provided picture.')

parser_predict.add_argument('-path',
                           type=str,
                           action='store',
                           dest='image_path',
                           help='Path to an image.',
                           default=argparse.SUPPRESS,
                           required=True)

parser_predict.add_argument('-model',
                           type=str,
                           action='store',
                           dest='model_path',
                           help='Path to a trained model.',
                           default=argparse.SUPPRESS,
                           required=True)

parser_video = subparsers.add_parser('video',
                                    help='Perform prediction on a video.',
                                    formatter_class=argparse.ArgumentDefaultsHelpFormatter)

parser_video.add_argument('-in',
                          type=str,
                          action='store',
                          dest='input_video_path',
                          help='Path to an mp4 video.',
                          default=argparse.SUPPRESS,
                          required=True)
```



The screenshot shows a Jupyter Notebook titled 'datasets_analysis' with the following code:

```
In [0]: fire_image_path = "datasets/small/fire/00000090.jpg"
no_fire_image_path = "datasets/small/no_fire/00000185.jpg"
start_fire_image_path = "datasets/small/start_fire/00000094.jpg"
fire_image = cv2.imread(fire_image_path)
fire_image = cv2.cvtColor(fire_image, cv2.COLOR_BGR2RGB)
plt.imshow(fire_image)
plt.show()
no_fire_image = cv2.imread(no_fire_image_path)
no_fire_image = cv2.cvtColor(no_fire_image, cv2.COLOR_BGR2RGB)
plt.imshow(no_fire_image)
plt.show()
start_fire_image = cv2.imread(start_fire_image_path)
start_fire_image = cv2.cvtColor(start_fire_image, cv2.COLOR_BGR2RGB)
plt.imshow(start_fire_image)
plt.show()
```

Below the code, a plot displays a forest fire image. The image shows a dense forest with trees and a bright orange and yellow fire at the base of the trees. The plot has x and y axes ranging from 0 to 600.