Sprint 2

Date	29 October 2022
Team ID	PNT2022TMID25532
Project Name	Emerging Methods for Early Detection of Forest Fires

app.py

```
model = load model(r'./static/model/ForestDetectionModel.h5')
def image prediction(img file):
   img = image.load img(img file, target size=(150, 150))
   HEIGHT = int(cap.get(cv2.CAP_PROP_FRAME_HEIGHT))
    def getFrame(sec):
```

```
cv2.FONT_HERSHEY_SIMPLEX, 0.8, (0, 0, 255), 2, cv2.LINE_AA)
     image_extensions = {'jpg', 'jpeg', 'png', 'gif', 'webp'}
video_extensions = {'webm', 'mp4', 'mov', 'avi', 'mkv'}
def predict():
                return redirect('/')
          if not allowed file(file.filename):
```

```
def gen_frames():
b'\r\n')
def video feed():
def camera pred():
def camera stop():
```

```
camera_prediction=True)

if __name__ == '__main__':
    app.run(debug=True)
```

home.html

```
<!DOCTYPE html>
   <title>Forest Fire Detection</title>
   <link rel="stylesheet" type="text/css" href="{{ url for('static',</pre>
         <a href="{{url for('camera pred')}}">Camera</a>
         <a href="{{url for('about')}}">About</a>
         <a href="{{url for('logout')}}">Logout</a>
      </div>
   </div>
         <h2>Image And Video Detection</h2><br>
get flashed messages(category filter=['image video']) %}
      </div>
      {% if img prediction and img %}
      </div>
            <source src="../static/uploads/videos/output.mp4"</pre>
      </div>
      {% endif %}
```

```
</div>
         </form>
      </div>
             <div>
height="400px">
      </div>
         fire authorities.
   </div>
</body>
```

home.css

```
body{
   margin: 0;
   padding: 0;
   min-height: 100vh;
   font-family: 'Jost', sans-serif;
   color: #fff;
```

```
#header .sections{
#content p{
input[type=file] {
input[type=file]::file-selector-button {
```

```
padding: 10px 20px;
input[type=file]::file-selector-button:hover {
button{
button:hover{
```