

TAHIR AHAMED T:-

1.The use of forest fire detection algorithm via image processing by using the Gaussian Mixture model (GMM)helps to detect smoke at the earliest time possible in a forest.

2.The Digital snapshots can be taken continuously using Closed circuit digital photography (CCDP) and these snapshots are then automatically sent to the server for storage as timed and dated JPEG files. The digital images are converted from RGB to XYZ color space and then segmented by utilizing anisotropic diffusion to identify the presence of fires.By this we can detect the forest fire.

3.Detection of forest fire is done through the deployment of YOLOv4 to UAV – based aerial images