Conclusion

- Our project is a Machine Learning based Activity tracker using python programming.

- Our project is useful for various Induatrial organisations and also educational institutes.

- We Learned a lot about Python programming and its use in Machine Learning.

- We learned a lot about Python's various modules, libraries and their uses in making real-life applications.

- We learned about how HOG algorithm can be used for detection and recognition.

- We learned about various usability of Visual Studio Code.

- We Learned a lot about Machine Learning and its Applications.

- Human face recognition plays a very important role as part of modern surveillance and security applications. By applying the methods described in this article, accurate algorithms and quality face recognition results can be obtained. Moreover, with the help of HOG and SVM models, one can achieve high-performance levels in recognizing human faces and analyzing facial features, even in scenes containing complex backgrounds.