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## PERFORMING EXPERIMENT USING FACE RECOGNITION TECHNOLOGIES NAMED KEY LEMON AND BANANA SCREEN

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### ABSTRACT

Face recognition is a visual pattern recognition problem. A face is a three-dimensional object subject to varying illumination, pose, expression is to be identified based on its two-dimensional image. A face recognition system generally consists of 4 modules - detection, alignment, feature extraction, and matching. Localization and normalization are processing steps before face recognition is performed.

**Keywords-** Face Recognition, Key Lemon , Banana Screen etc.

## I. INTRODUCTION

Technology that is used in Face Recognition: There are two technologies that are used in face recognition which are following:

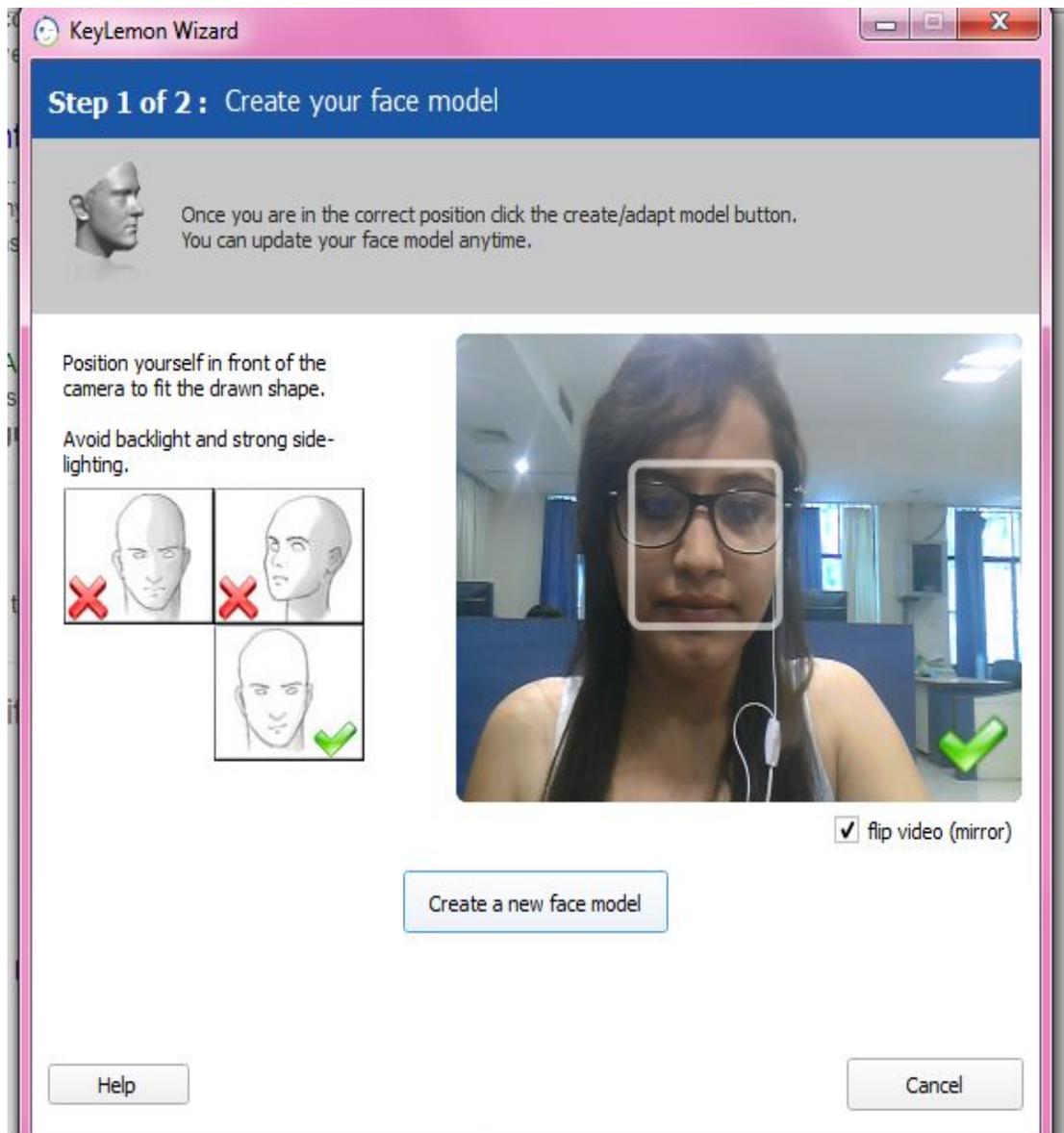
1. **Key Lemon Face Recognition:** It is a facial recognition technology, delivering a more sensitive driving experience. The scheme creates a shape of the driver, repeatedly saving and updating driver preferences, which are repeatedly apply previous than the engine is in progress. Key Lemon allows any developer to include face discovery and recognition technology into any web enabled function or repair. The Key Lemon is obtainable through a API, for which registration is necessary. When signing for the service, the user gets a username and a key to validate adjacent to the service and way to access it. The API Key is individual and should not be public.
2. **Banana Screen:** Banana screen has been extensively used in mineral processing and other industrial fields due to its elevated competence and bulky capability in recent years. It can localize one or more faces in an picture. It provides a method to make sure face alongside a model. Also, multiple models for the same person can be shaped and linked in a crowd. The technology is full-bodied to small promise, minor glow distinction. It is also full-bodied to beard variations, skin attitude modify .The backdrop has no effect for face detection.

## II. METHOD

### A. Key lemon Face Recognition

Features are as follows:-

**FACE DETECTION:** It can localize one or more faces in an picture.



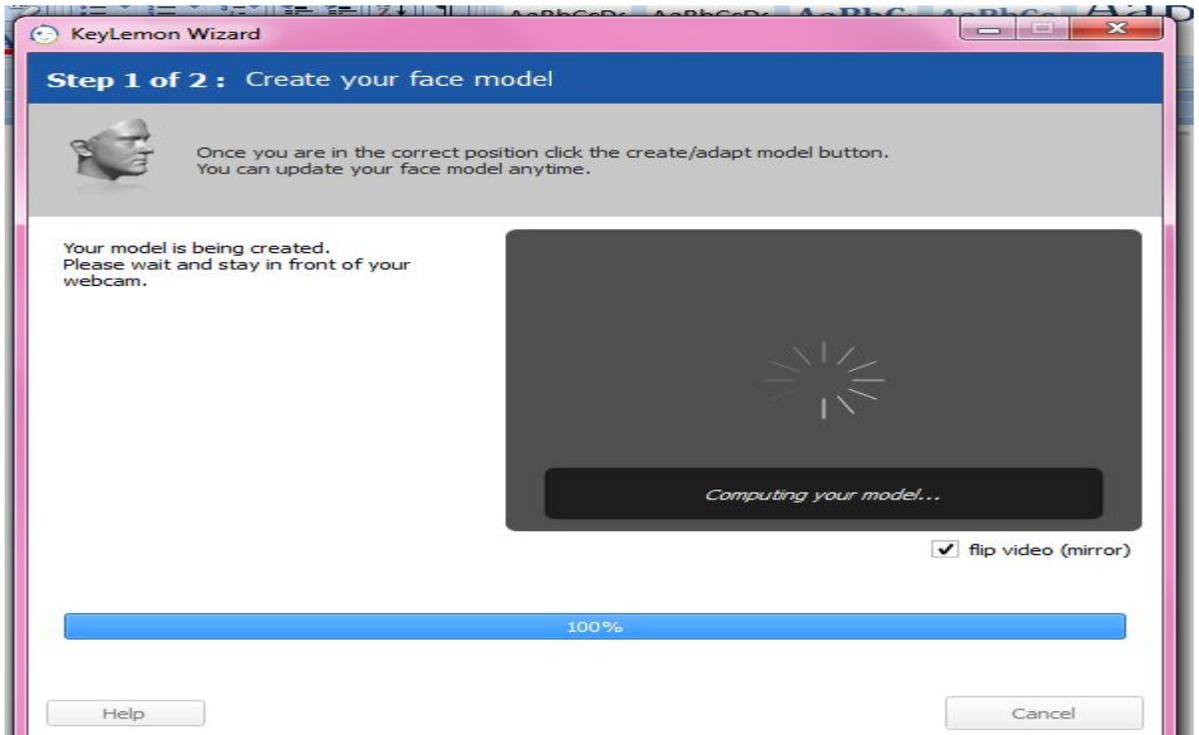
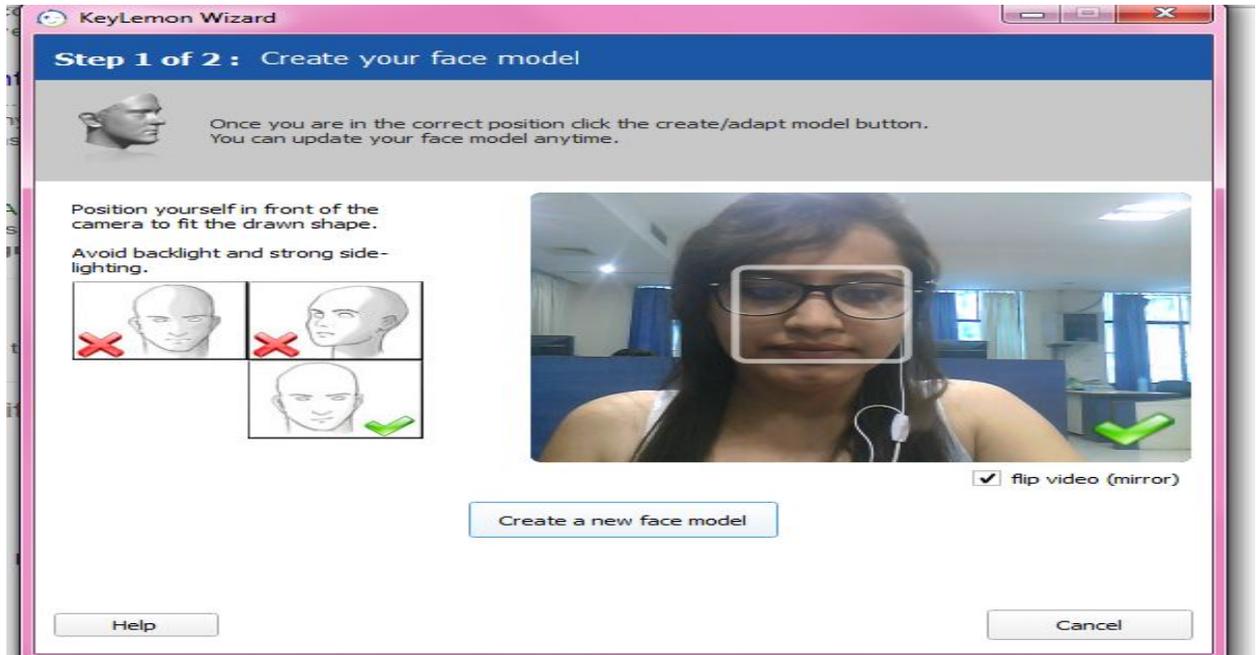
**Age Era and Sexual Characteristics assessment:** Functioning with face detection, Age Era and Sexual Characteristics assessment will give further information about the face detected in an image. The Age Era assessment requires a face of 49Pixel and will give judgment of the age of the person. The Sexual Characteristics assessment requires a face of 33 Pixel and will return either female, male or unknown.

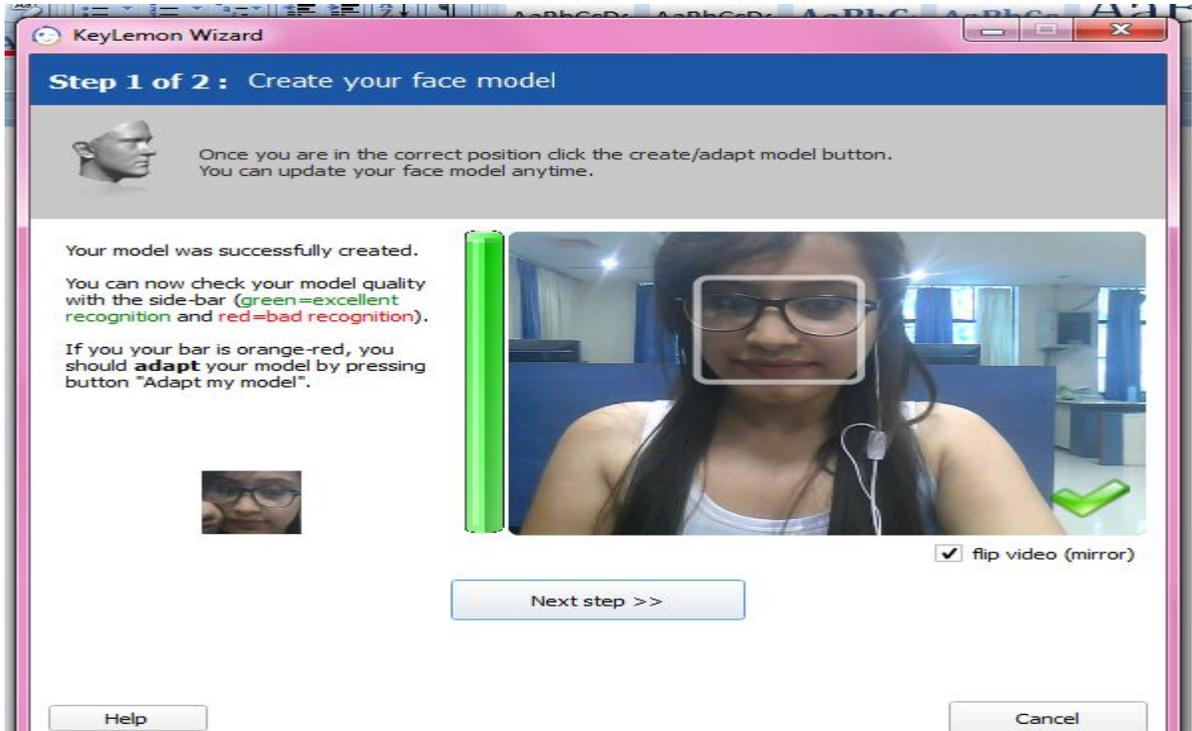
**Face detection:** Key Lemon provides a method to make sure face alongside a model. Also, multiple models for the same person can be shaped and linked in a crowd.

The technology is full-bodied to small promise, minor glow distinction. It is also full-bodied to beard variations, skin attitude modify .The backdrop has no effect for face detection.

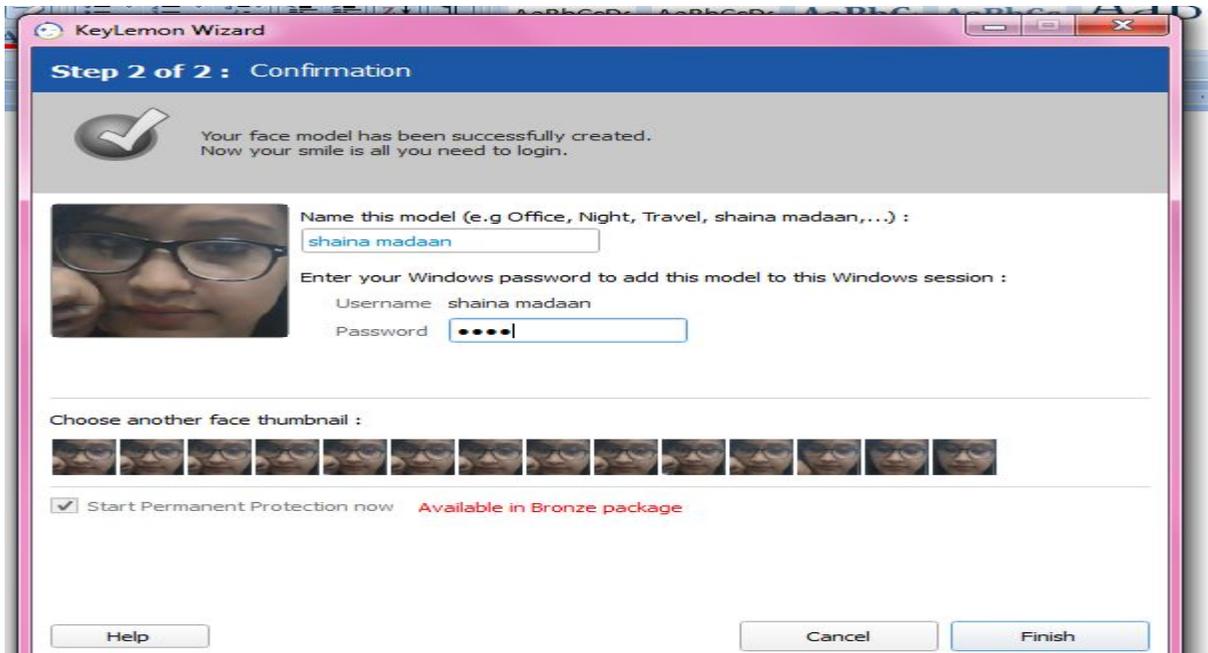
**Method: How to Implement it:**

1. Create a face model.





2. After creating face model, Enter your name and password of your windows.



Multiple models for the same person can be shaped and linked in a crowd.

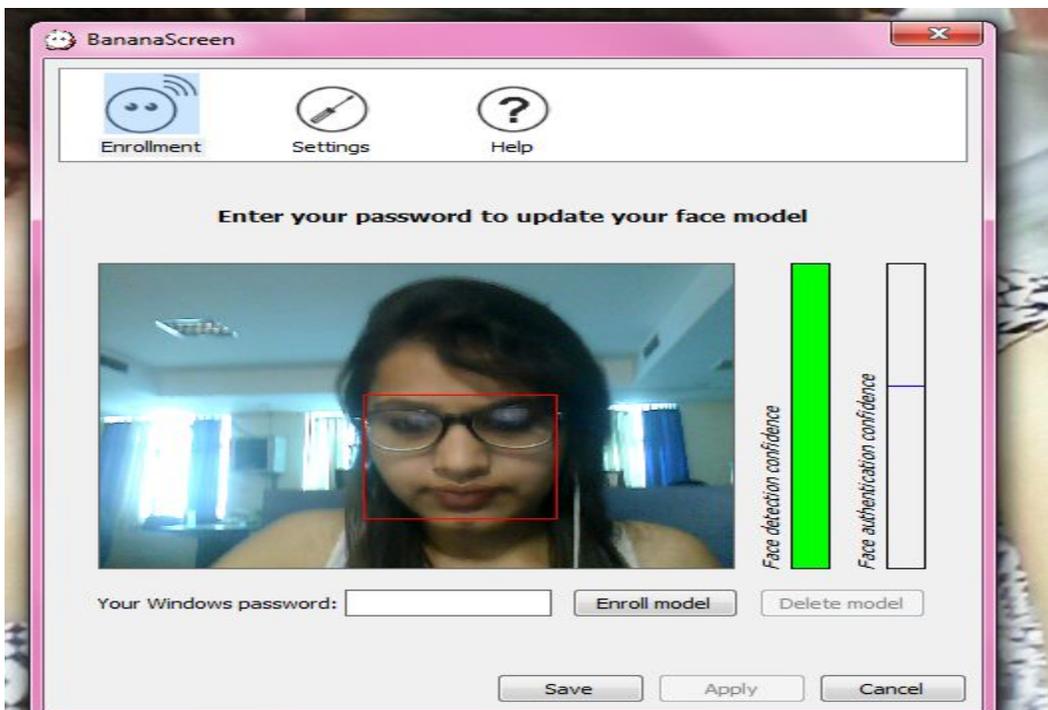
B. Banana Screen

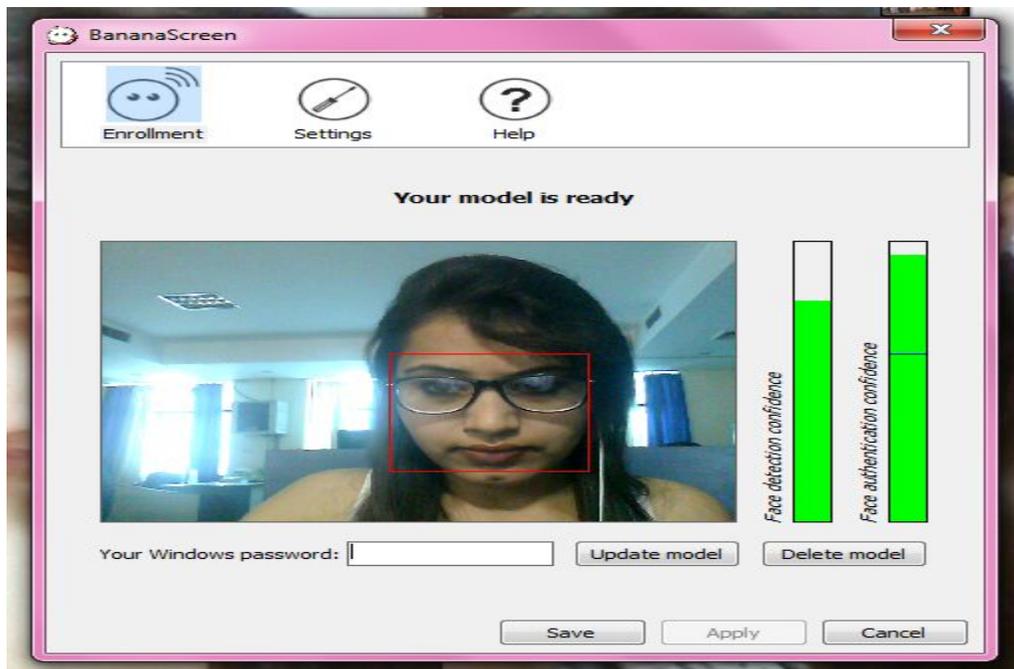
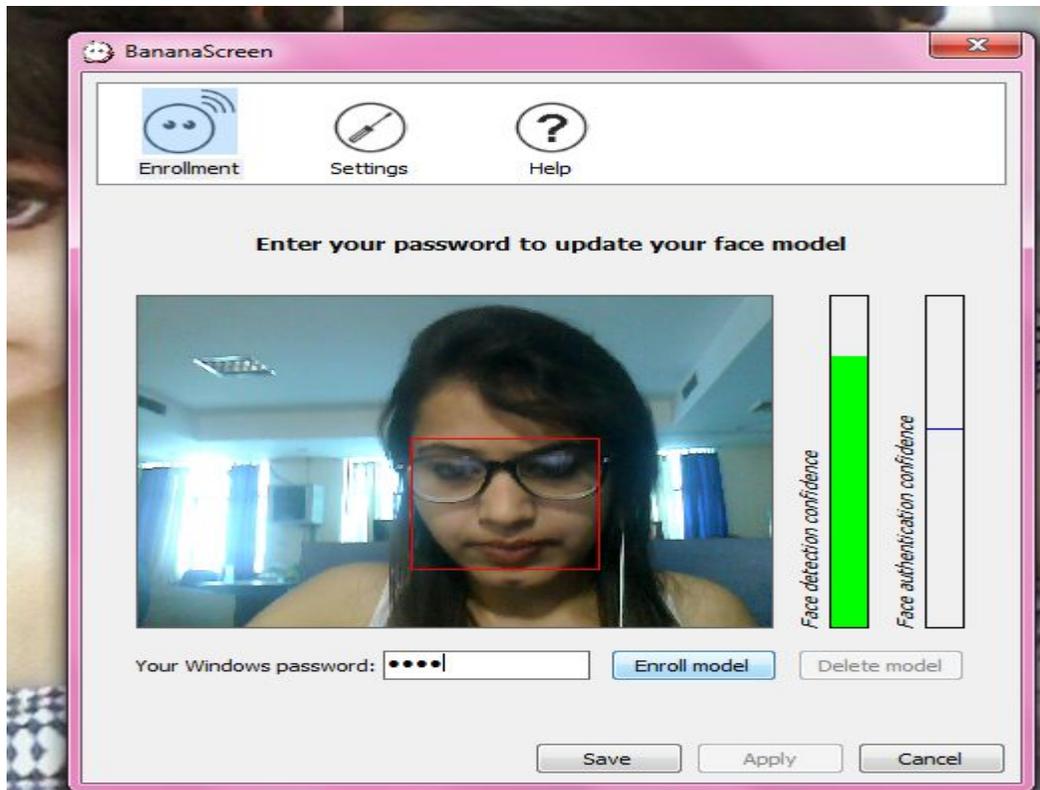
Method: How to Implement it:

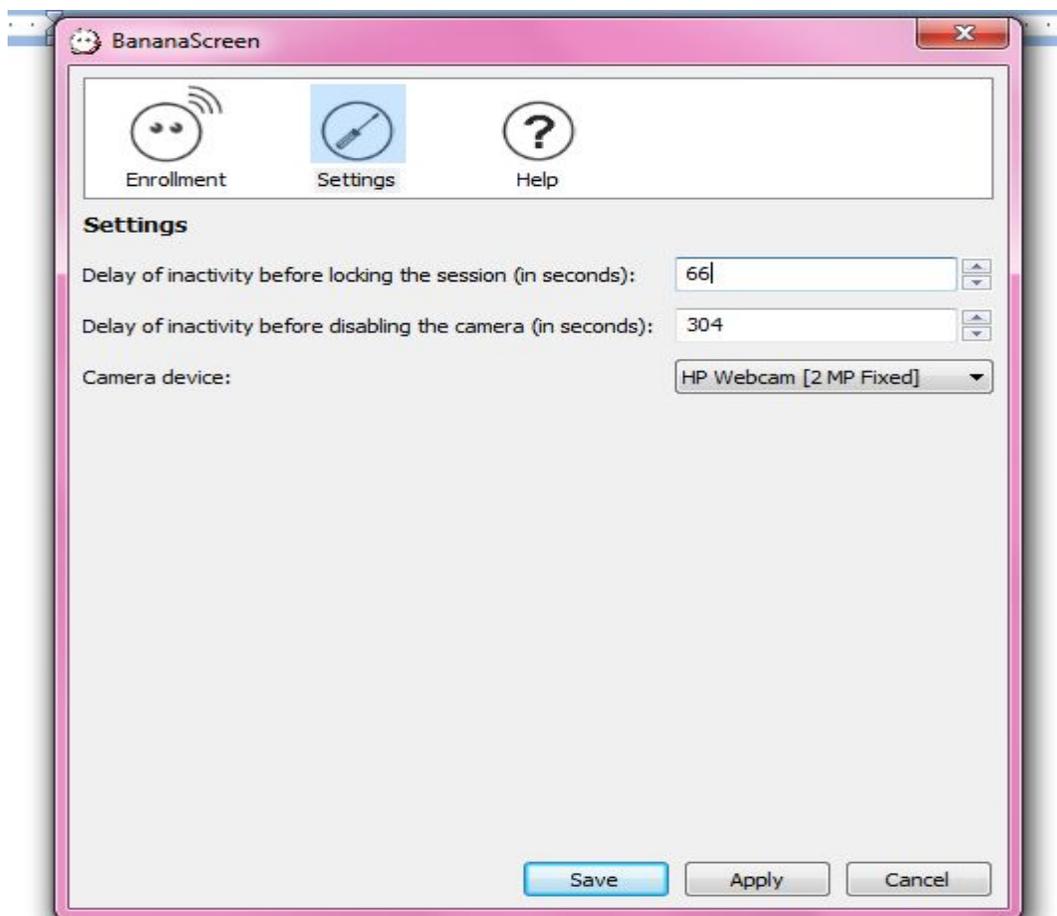
1. Create a face model.



2. After creating face model, Enter your name and password of your windows.







### III. CONCLUSION

The technologies become easily understandable only after performing self experiments on it.

### REFERENCES

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