

Rakshak

a project under design engineering.

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What is Rakshak?

It is our idea about how the present modern technology can help our nation in the defence sector.

Protecting the security of our nation-our people, our territory and our way of life- is my foremost mission and constitutional duty. As we enter the twenty-first century, we have an unprecedented opportunity to make our nation safer and more prosperous.

As in the case of national power, the military aspect of security is an important, but not the sole, component of national security. To be truly secure, a nation needs other forms of security. Authorities differ in their choice of nation security elements.



Abstract

In this project we are going to help the society and nation by using live images or videos and processing them using Artificial-Intelligence, Machine-Learning and Algorithm


Can also know the behaviour of a person and can spy on them and using this technology at defence and public places, using X-ray vision we can identify if any person is carrying any harmful things like weapons or not.....



What's new in it?

In this project we are going to help the society and nation by using live images or videos and processing them using Artificial-Intelligence, Machine-Learning and Algorithm and can know the behaviour of a person and can spy on them and using this technology at defence and public places, using X-ray vision we can identify if any person is carrying any harmful things like weapons or not....Thus in this way using the technology we can help the society and nation against the terror and crime by knowing them before they are going to happen.

Many different technologies we can use in this like Wifi detection technology, X-ray detection, Colour image detection technology etc. In Wifi detection technology wifi signals can be used to detect cans, laptops, batteries inside bombs, and liquid as well as guns. In the colour image detection technology we can use IR image, DWT Image fusion etc.



Why need of such an idea arises?

Defence management is **important** as it strives towards effectiveness and efficiency of the **defence** forces, ensuring they fulfil their duty of providing public security and **defence** against external threats in the best possible way.



Objectives

- To provide technology upgraded systems in the defence sector of the nation that fight with harmful elements of the society like sleeper cell, live bomb etc.
- Using the latest technology alerts the security force about the harmful element .
- Using these technologies nullifies them with the help of these instruments.



Technologies we have used



Advantages and Disadvantages

Advantages:

- Security
- Sense of freedom
- Decrease in terror

Disadvantages:

- Privacy breach
- Developing algorithm
- Cost and time

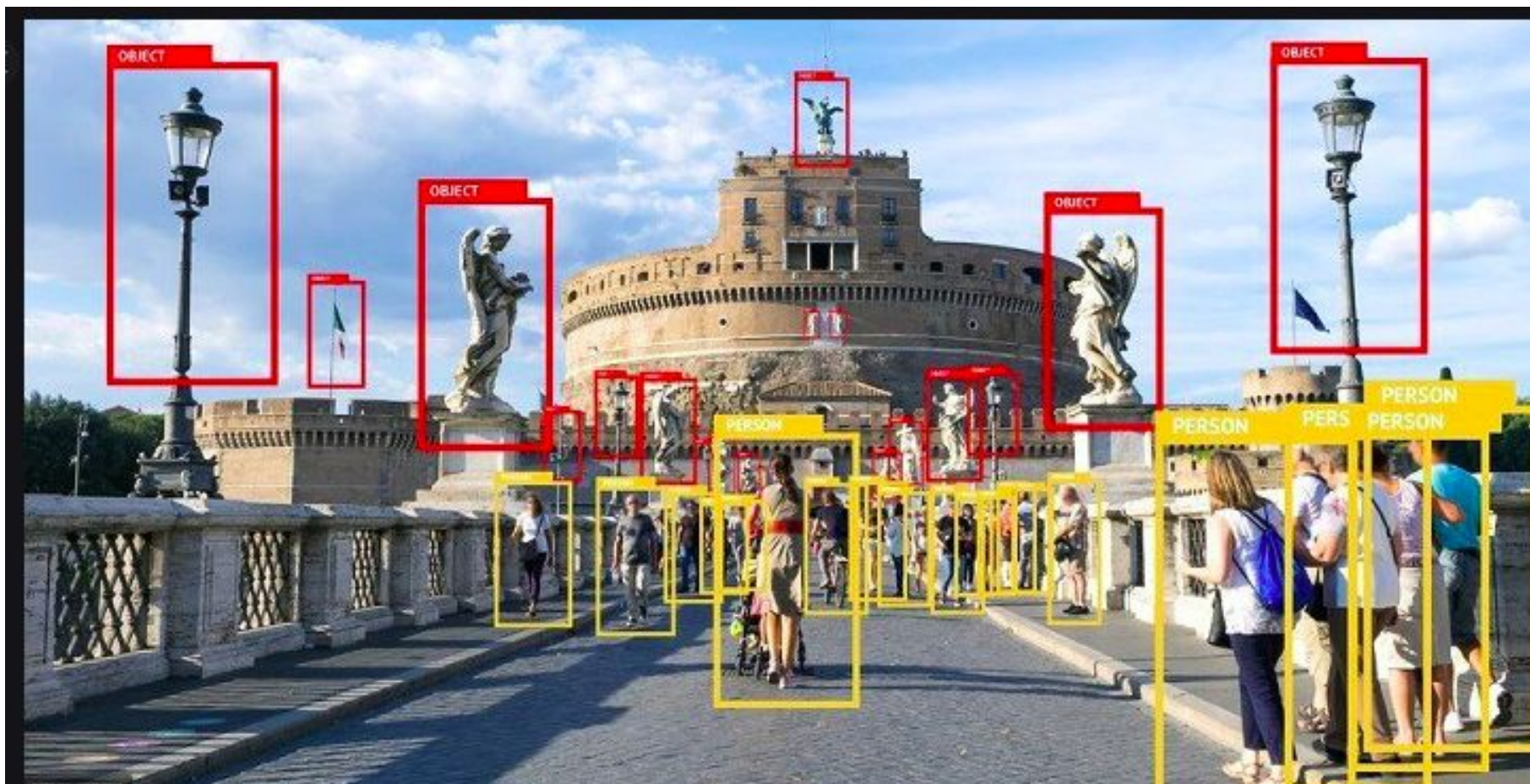


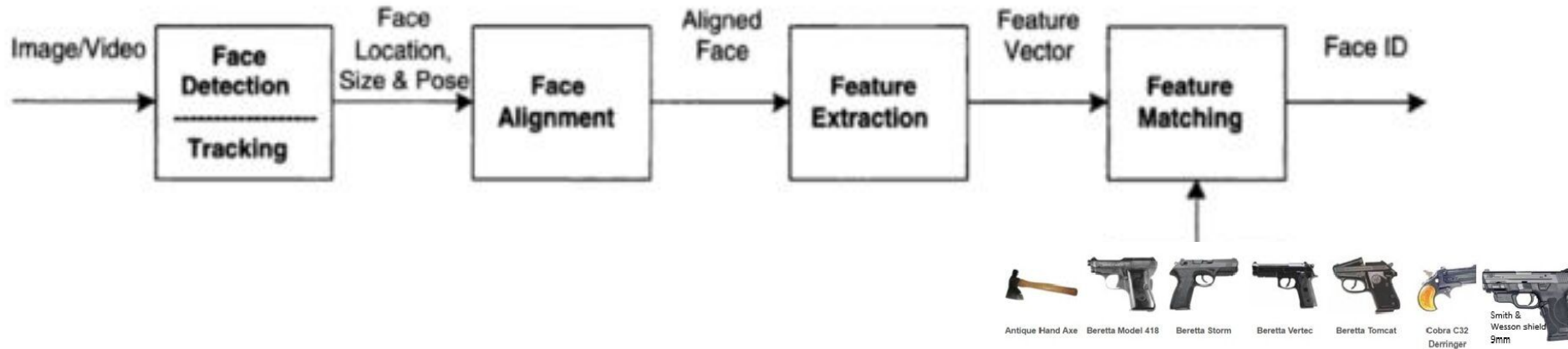
Implementation cum prototype

<https://drive.google.com/file/d/1hn-QiYYRJSJ1T8kFb6g-u02cLBQAjMoB/view?usp=sharing>









So if, the object matches with our database then the alarm will be beeping.

Conclusion

We came to conclusion that our country is in need of such kind of project, because every coin has two sides, one positive and one negative and we might need to take some tough calls for the security of our nation and its people and implement such good projects.



Thank you for your precious time

