**ABSTRACT**

**PROJECT NAME:** IMAGE CLEAR VISION

Image clear vision project comes under the domain of deep learning and computer vision.image clear vision refers to reconstructing a high-resolution image from a low-resolution image through a corresponding method, that is to generate a clearer image.

The image clear vision is implemented using deep learning algorithms mainly. Now we try to implement this project using deep learning and open cv algorithms.

Throughout the development of this technology, we can see the results of previous efforts, such as image super-resolution reconstruction based on interpolation, image super-resolution reconstruction based on reconstruction, super-resolution reconstruction based on learning, and image super-resolution reconstruction technology based on deep learning. Nowadays, the idea of deep learning is very popular. It is an important branch of machine learning and is widely concerned and favored by researchers. Combining deep learning ideas into the research of image clear vision reconstruction can achieve very satisfying effects .This project is applied in several applications like medical imaging ,surveillance and security, video compression etc.

Keywords : Deep learning ,computer vision ,high resolution ,low resolution ,open cv ,machine learning.