Abstract

Among all the five senses the eye has highest priority, it gives vision to us but there are millions of people whose vision is not perfect but their eyes can be corrected with the help of glasses. And millions of people who are unable to see the beauty of nature. They are perfectly blind. The glasses won’t help those who are completely blind. There is no alternative way by which they can see without eyes because the eye is the only mechanism which act in between the outer world and the brain. This means the eye can convert the visual signal to an electronic signal which is understandable by our brain. Now the technology has been given many pathways for the mankind. As technology has improved up to an extent where the integration of engineering with the medical sciences become possible. Now a day the whole human body can be controlled using electronic chip. We have seen that the prosthetics have played important role in restoring the damaged parts of the body like limbs, heart, kidney, pancreas etc. But in case of human eyes the visual signals can be captured by other means and transferred to the human brain this is the possible way by which the vision can be restored. That can be done by the help of bionic eye or artificial eye. The devices are designed to mimic the retina or the function of the human eye. There are several methods like chips can be developed to mimic
the function of the retina and this chip can be embedded into the eye by the help of microsurgery. Now the scientist made it possible to integrate the electronics and engineering with the biotechnology that provide the artificial vision. In this process of bionic eye development all have played an important role in the development of the device, whether a biomedical, computer, electronics, mechanical or any other. This bionic eye has the ray of hope for the blind. Development of this device adds life to the blind people around the world.

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