

NEUROPROSTHETICS

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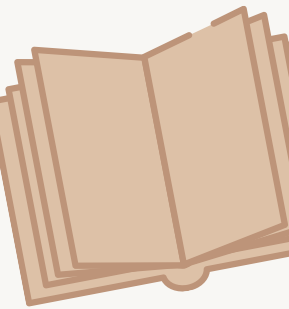
Do you want to know how some people can hear, see, or move even if they have problems with their ears, eyes, or limbs? Do you want to know how technology and science can aid in achieving that? Do you wish to know more about the remarkable organ in your body that governs all of your actions, thoughts, and emotions? You are in for a treat, if you said yes to any of these questions. Discover the fascinating realm of Neuroprosthetics. Are you ready for an awesome adventure? Then read on and enjoy!



RAM AND THE MAGIC ARM

Once upon a time, in suburbs of a city in India, lived a young adventurous boy named Ram.

Ram was curious, always wanting to discover and understand how things worked.



One day, Ram accidentally discovered a shiny thing hidden in the park. He wiped the dust and discovered it was a sleek, gleaming metallic arm. It was a Neuroprosthetic arm, and in the bright sunlight it glittered like silver!





He tried all day and all night to understand what he had found. He had a vague sense that Neuroprosthetics were similar to the super-gear employed by the superheroes in his comic books. You may use your mind to operate these fascinating gadgets!



Ram thought, "Amazing!" as he recalled his neighbour, Mr. Venkat swamy, who couldn't play catch with his grandson since he had lost an arm in a workplace accident. He had an idea all of a sudden.





With the approval of his parents, Ram took the magic arm to Mr. Venkat swamy. Ram informed Mr. Venkat swamy that he could play catch once more and be able to move like his former arm.



★ Mr. Venkat swamy was surprised by this. It appeared to be a scene from a science fiction film. ★ But after noticing Ram's animated gaze, he decided to try it. ★



A group of doctors worked hard and connected the Prosthetic arm to Mr. Venkat swamy's body.

After a few days, Mr. Venkat swamy was able to move the fingers of the Prosthetic arm.



It was as if his thoughts were being answered by the arm! A few weeks later, he was writing, tying his shoes, and even picking up his coffee mug!

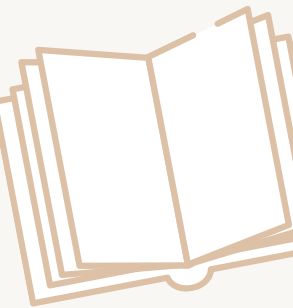




The time eventually arrived for Mr. Venkat swamy to start throwing the ball. Mr. Venkat swamy used the Prosthetic arm to launch the ball into the air while his grandson watched from a distance. The ball was caught by his grandson, who returned it with a grin. In the town, it was a memorable day.

Ram's discovery, gave Mr. Venkat swamy
a miracle that changed his life.

This experience, taught Ram something
important.





People with physical limitations can use Neuroprosthetics to assist them in performing tasks that they may previously have been unable to perform. For instance, it is utilised to improve communication for those who have difficulties hearing, seeing, or speaking with help of Cochlear Implants.

People with paralysis may be able to move their arms or legs with the help of Neuroprosthetics.


Ram's adventure story became a local legend, inspiring many kids



Can We Create A Superhuman Using This Technology?

Well, the answer is Yes. Using Brain-computer interface, cognitive[★] and motor skills of a person can be enhanced to perform tasks that are otherwise impossible or dangerous.

Similarly, Bionic eyes and ears, Bionic hands and legs, Bionic hearts, Exoskeletons can be created.

 But governments have imposed various strict rules[★] and regulations in innovation and adoption of such technologies keeping view the safety of their citizens.

So, young ones! Always be curious. Keep in mind that everything, from Neuroprosthetics to Spacecraft, begins with
★ a tiny spark of curiosity.

Many wonderful doors in the wide field of science and technology could be opened by you as well!

★

Bon voyage, my dear young
friends! May you always find
joy and wonder in science and
technology

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