**Meet a Computer that can be controlled by thoughts!**

In a discovery that may seem to be ‘fiction’ a few years ago is now a reality. In a research led by Indian origin scientists claim that they have designed the fastest and most accurate mathematical algorithm yet, that can help disabled people move computer cursors with their thoughts. Researchers claim that speed, accuracy and natural movement approach those of a real arm.

Researchers from Stanford have developed the algorithm for brain implantable prosthetic systems, known as ReFIT. It vastly improves the speed and accuracy of neural prosthetics that control computer cursors. In demonstration with rhesus monkeys, cursors controlled by the new algorithm doubled the performance of the existing system and approached the performance of the monkey arm in controlling the cursor. These findings may lead to greatly improved prosthetic system performance and robustness in paralysed people, which are been actively pursued as part of the clinical trial at Stanford. The system relies on a sensor implanted into the brain, which records “action potentials” in neural activity from an array of electrode sensors and sends data to computer.

This is a remarkable history in the context that it could change the way that computers are looked at by disabled people. They have problems communicating with computer and this discovery might be of great help for them. Researchers should be applauded for this discovery which will help disabled to be more independent and can express their views and perform all the operations that a normal human being can do on a computer and via Internet. Looking at it broadly, it might help them to get employment. But, what will define success of this discovery is how quickly, economically and easily will these services be available to the people. Of course, it might also be used by people without disabilities, but priority should be to provide it to disabled people.