

Wireless Mouse and Keyboard for Physically Handicapped

The technology relates to an interface system that would allow a disabled, physically handicapped, spontaneous stroke, motor neuron & paralyzed user to interact with a computer with almost full functional capability. This device is in the form of spectacle.

❖ **Milestones achieved:**

- ***IP status:*** An Indian patent application has been filed.
- ***Validation:*** Internal validation done
- ***USP of technology:***
 - ✓ *Persons with Disability (PWD) or elderly to interact with computer with features like Mouse control by head movement; Voice over text for mail composition; Ease of use with head mount with wireless; Mouse click by eye blink sensor.*
 - ✓ *Wireless device: Bluetooth communication protocol is used to connect the PC and the device via an external Bluetooth connector.*
 - ✓ *Aesthetic design: Customized mechanical designing done.*
 - ✓ *User friendly: A mouse driver software which is operable on windows platform.*

❖ Technology was developed at The Oxford College of Engineering, Bangalore and supported by ICMR.

❖ *ICMR is seeking potential agencies for the up-scaling of technology.*