**INTRODUCTION**

* In alignment with WHO data, a substantial 16% of the global population grapples with disabilities, notably encompassing a 13% prevalence of hand disability.
* Aerotouch emerges as an innovative input technology, enabling users to navigate digital interfaces through gesture-based interactions devoid of physical keyboard contact.
* Positioned to revolutionize interaction dynamics, Aerotouch offers a refined avenue for intuitive engagement across devices, resonating with diverse users seeking heightened accessibility.

**WHAT ISSUES ARE ON OUR AGENDA FOR RESOLUTION?**

* **The Specially abled**: individuals who encounter diverse challenges with conventional keyboards due to physical, cognitive, or sensory differences, necessitating alternative input methods or specialized keyboards to enhance accessibility.
* Aerotouch enhances multitasking by enabling remote control through gestures, allowing users to interact with tasks seamlessly. It offers intuitive switching between applications, improving efficiency.
* Aerotouch is beneficial for travel use as it provides a portable and compact input solution, reducing the need to carry a physical keyboard. It allows users to type and control devices with ease, enhancing productivity while on the go.

**WHAT IS AEROTOUCH?**

* Aerotouch harmoniously merges flex sensors and the Arduino Uno, elegantly adjustable with a compress strap/gloves accommodating various hand sizes.
* As flex sensors bend, inducing resistance shifts, intricate key assignments are orchestrated, seamlessly translating nuanced hand gestures into coherent letter outputs on connected devices.
* This intricate synergy is skill-fully achieved through Arduino programming proficiency in both C and Python languages.

**RESOURCES REQUIRED**

* **Flex Sensors:** They alter electrical resistance through bending. The resistance adjusts with bending degree.
* **Arduino Uno:** It is the brain of the whole system. It is a microcontroller board and has a set of digital and Analog input/output pins, used to connect various sensors.
* **Programming Knowledge:** The project requires a set of programming expertise in certain languages to have a well-built interface and make it more reliable. The Arduino has its own library of codes additionally python coding may also be required.
* **OTHER HARDWARE:** Bluetooth, Transmitters, Resisters, IRs, etc.

**WHO ARE OUR TARGET AUDIENCE?**

* Specially abled people.
* Elderly individuals.
* Professionals on the move.
* Gamers for VR and AR, limited space environments, and more.

**ABOUT US**

Our team unites diverse talents, excelling in user-centric design, data analysing, efficient project management and also good at software development. By endorsing our initiative, you forge a powerful alliance with a team unwavering in their commitment to excellence. Together, we guarantee exceptional results while enhancing your brand's reputation for innovation and impact.

**TO WIND-UP**

In conclusion, we believe that partnering with our AeroTouch project presents a remarkable opportunity for both your organization and ours. Our AeroTouch project aimed at enhancing accessibility for special-abled individuals represents an extraordinary opportunity to make a significant positive impact. We eagerly anticipate the possibility of collaborating with your organization to bring this project to life and improve the lives of those who need it most.