# Business Case

## Organization and Department

Our research project helps in various departments in specially for virtual conferences, meetings and online classes for students and this endeavors serves as a reporter of infrequent gestures. These uses finger's route that will be traced using computer vision. Messages, emails, and other types of communication can all be sent using the created text. The deaf will be able to effectively communicate thanks to it. It is an efficient means of communication that decreases the use of mobile devices and laptops by doing away with the need to write.

## Requirements and Justification

**Functional Requirements**

* Open cv and Numpy(Libraries)
* Camera
* Hand gestures
* Internet
* User input
* Image generation
* Gesture generation
* Image processing
* Layer Management

**Non-Functional Requirements**

* Refereces
* Interoperability
* Scalaibility
* reliability
* security

## Solution and cost estimation

|  |  |
| --- | --- |
| Resources | Cost |
| Mobile Application | $20,000 |
| E-commerce Website | $10,000 |
| Hardware | $20,000 |
| Server Installation | $7,000 |
| Database | $13,000 |
| Training | $4,500 |
| Implementation | $2,000 |
| Testing | $5,000 |

**Benefits of investing in this solution**

The project focuses on creating a motion-to-text converter that may one day act as software for intelligent wearables that enable writing from the air and can be used to good effect. This endeavors serves as a reporter of infrequent gestures. The finger's route will be traced using computer vision. Messages, emails, and other types of communication can all be sent using the created text. The deaf will be able to effectively communicate thanks to it. It is an efficient means of communication that decreases the use of mobile devices and laptops by doing away with the need to write.