



Faculty of Applied Health Sciences Technology



Smart Speaking Glove (SSG)

Participated Students:

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Under Supervision of:

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Project Summary:

- People of determination live in their brightest eras, in light of an unprecedented interest and great belief from President Abdel Fattah El-Sisi in their abilities and capabilities in shaping the nation's present and future.
- Over the past seven years, the Egypt placed people with special needs at the forefront of its priorities and has worked to meet their demands, integrate them into society and make the best use of their talents and energies.
- According to the World Health Organization states that 5% of people has suffering from dumb and deaf worldwide, and 7% of Egyptian people suffering from dumb and deaf.
- As followers of the trends of the state and the world, we propose a Community Research Projects to design, implementation, and evaluation of a Smart Speaking Glove (SSG).

Project Idea:

- Communication is the only medium by which we can share our thoughts or convey the message but for a person with disability (deaf and dumb) faces difficulty in communication with normal person.



- Because not everyone understands sign language and with the development of technology, there are new ideas to solve the problem of the deaf and dumb, which is the smart speaking glove (SSG).

Project Phases:

- **Define the problem:** person with disability (deaf and dumb) faces difficulty in communication with normal person.
- **Design:** Purchase of components, circuit design, and programming
- **Implementation:** A Functional Prototype is a sample or model of a product built to test a concept and the process of the project.
- **Evaluation:** Determine the accuracy of the project, and comparing its cost with what available in market.

Project Aim:

- To help People of determination (deaf and dumb) communicate with anyone easily.