***Real Time Communication with IoT and Morse Code Interpreter***

**Introduction:**

**Palsy** is a [medical term](https://en.wikipedia.org/wiki/Medical_term) which refers to various types of [paralysis](https://en.wikipedia.org/wiki/Paralysis),[[1]](https://en.wikipedia.org/wiki/Palsy" \l "cite_note-Agin-1) often accompanied by weakness and the loss of feeling and uncontrolled body movements such as shaking.

Partially paralyzed individuals

Hand tremors

Unable to communicate

They want to communicate like us

We have come up with a soln

Before it let me explain you morse code(morse code chart )

As computer works on 0’s and 1’s ,similarly morse works on dots and dashes.

We are going to make a morse code interpreter(morse machine)

And the encoded message will be displayed

Nowadays Smart phones are a part of our daily need.

So we will be displaying message on mobile app.

**Hardware Explaination**

Arduino UNO

Bluetooth (HC-05)

Limit Switch

Push button

Passive Buzzer

Led

Resistors

Mini zero PCB board

**Software Explaination**

Programming on Arduino IDE.

Bluetooth HC-05(Details and interfacing)

MIT App/Thunkable

Conclusion:

So in this way we are planning to work for betterment of disabled people because most technology today is designed for the mass market. Unfortunately, this can mean that people with disabilities can be left behind. Developing communication tools like this is important, because for many people, it simply makes life livable.

Any Questions?

Thank You